

**Pacific-German Regional Program on  
Coping with Climate Change in the Pacific Island Region**



**CCCPIR Vanuatu 2013**  
**Annual Report to the Government of Vanuatu**

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**CCCPIR Project Background and Objectives:****Quick Facts:****Project Duration: 01/2009 -12/2015****Total Program Funding (Regional including Vanuatu): 19.2 million Euros****Implementation Partner: Secretariat of the Pacific Community (SPC) & Secretariat of the Pacific Regional Environment Program (SPREP)****Project Countries: Vanuatu + 11 other PICs****Funded by: German Federal Ministry for Economic Cooperation and Development (BMZ)**

The overall objective of the program is as follows:

The capacities of regional organizations in the Pacific Islands region and its member states to adapt to climate change and mitigate its causes are strengthened.

CCCPIR generates outputs for all the independent member states of the Secretariat of the Pacific Community (SPC) including the Federated States of Micronesia, the Republic of the Fiji Islands, Kiribati, the Marshall Islands, Nauru, Palau, Papua New Guinea, Samoa, the Solomon Islands, Tonga, Tuvalu and Vanuatu.

**Rationale for SPC-GIZ CCCPIR Program**

The Pacific Islands region has high vulnerability and limited ability to adapt to climate change due to its particular geographical susceptibility to the impacts of climate change, a lack of human and financial resources and insufficient coordination when dealing with climate change. The limited capacity of agriculture and forestry, coastal and inland fishing, and the tourism and energy sectors to adapt to climate change and reduce greenhouse gas (GHG) emissions is likely to jeopardise future sustainable development outcomes (the core problem). This situation is increasingly compromising the achievement of key development indicators.

To achieve the overall objective of the Program, inputs are made within six components: strengthening regional advisory and management capacity (component 1), mainstreaming climate considerations and adaptation strategies (component 2), implementing adaptation and mitigation measures (component 3), sustainable tourism and climate change (component 4), sustainable energy management (component 5) and Education and climate change (component 6). The results in each of these six components are geared, within a multi-level approach, towards strengthening the expertise and capacity of key actors at different levels and in different sectors in relation to climate change. The successful implementation of pilot measures to combat climate change, the development of national frameworks, the strengthening of advisory skills and cooperation between regional organisations are all interlinked. In view of the inadequate human and financial capacity in these countries, it is only possible via a regional approach to effectively exchange information, improve adaptation to climate change and reduce GHG emissions.

SPC-GIZ's Coping with Climate Change in the Pacific Island Region project aims to fit into and enhance the existing matrix of donors and adaptation initiatives in Vanuatu, rather than duplicate and/or compete with them. GIZ-SPC CCCPIR has been able to immediately and flexibly enable members of the National Advisory Board on Climate Change and Disaster Risk Reduction to trial and make an initial start on urgent climate adaptation activities while awaiting major climate funding from the Green Climate Fund recently discussed and agreed in Poland.

The SPC-GIZ activities are intended to be flexible, fill gaps in other, larger projects, be hands on and ground based, and expand NAB's toolbox from which one can pull "tried and tested" community adaptation activities in response to questions and requests from villages throughout Vanuatu. As such, all lessons learned have been and will continue to be documented and shared freely among stakeholders for the widest possible impact.

### **Methodological approach and components of support**

CCCPIR pursues a multi-level approach (regional, national, and sub-national/local), and works jointly with multiple government sectors and actors in member countries. In view of the inadequate human and financial capacities of small Pacific Island countries, a regional approach is vital to achieve planned results. Exchanging experiences and effectively improving the way countries adapt to climate change and reduce GHG emissions as well as broad knowledge transfer about local, gender specific impacts of climate change and adaptation options is only possible as part of a regional approach. Experience gained at local level and by private actors will percolate up to provincial, national and regional levels and is used to develop conditions and services for adapting to climate change and reducing greenhouse gases.

The German input primarily involves the following components of support: expert, organizational, process, strategy and policy advice by international, regional and national short- and long-term experts, basic and more advanced training, and the supply of materials and equipment.

### CCCPIR Components and Outcomes in Vanuatu:

To achieve the overall objective, the six project components have been collaboratively developed with leaders in Vanuatu and other countries, under which national program activities have been aligned. The first component is cross-sectoral and regional in nature, focusing on organizational, strategic and technical advice. The aim here is to improve the capability and coordination of the regional organizations in the interaction between, in the donor community and in cooperation with the countries. Component 2 predominantly supports national policies relating to the management of natural resources. Component 3 is closely linked with component 2 and aims to support the implementation of specific adaptation and mitigation measures and technologies, particularly at local and national level. Components 4 and 5 relate to tourism and energy management in a sectoral, multi-level manner. Component 6 supports mainly education institutions (teacher training, schools, providers of non-formal training) and works closely with relevant regional organizations (USP, SPBEA).

**Component 1: Strengthening regional advisory and management capacity**

**Component 2: Mainstreaming climate considerations and adaptations strategies**

**Component 3: Implementing adaptation and mitigation measures**

**Component 4: Sustainable tourism and climate change**

**Component 5: Sustainable energy management**

**Component 6: Climate change and education**

The Vanuatu CCCPIR program is one of the only national offices that has actively been engaged in ALL components of the regional CCCPIR program.

#### COMPONENT 1: **Strengthening regional advisory and management capacity**

Vanuatu works closely with the Secretariat of the Pacific Community (SPC) to implement its revised **Joint Implementation Strategy (JCS)**<sup>1</sup>. Multiple sectors are covered, and through the CCCPIR program, climate change has become a major area of collaboration with Vanuatu. In 2013, CCCPIR and SPC were able to provide advisory support to Vanuatu on climate change adaptation in the sectors of Livestock, Energy, Fisheries, Environment and Biodiversity, Disaster Risk, Education, Forestry, and Agriculture. The results of these climate change advisory service are captured in the component sections below, and can be viewed on the SPC website [www.spc.int](http://www.spc.int)<sup>2</sup>.

In addition the CCCPIR program has been instrumental in establishing and facilitating the multi-agency regional Pacific CROP Agencies' **Working Arm on Climate Change** including SPC, SPREP, USP and Forum Secretariat. The WACC is coordinating climate advice and support across countries and steering planning towards a **Pacific Islands Integrated Strategy for Disaster Risk Management (DRM) and**

<sup>1</sup> <http://www.spc.int/en/our-work/strategic-engagement-policy-and-planning-facility/country-strategies/305-joint-country-strategiies.html>

<sup>2</sup> <http://www.spc.int/images/climate-change/SPC%20climate%20change%20support%20activities%20in%20Pacific%20Island%20countries%20and%20territories.pdf>

**Climate Change (CC)**<sup>3</sup> by 2015. The new integrated strategy will succeed the existing Pacific Disaster Risk Reduction and Disaster Management Framework for Action 2005 – 2015 (RFA) and the Pacific Islands Framework for Action on Climate Change 2006 – 2015 (PIFACC).

The CCCPIR program has supported regional advisory services on climate change through technical support to the rollout of the **Pacific Climate Change Portal**<sup>4</sup>, which links directly to and is built with the same program language as Vanuatu's NAB Portal on climate change and disaster risk reduction.

## COMPONENT 2: **Mainstreaming Climate Adaptation Considerations**

In 2013, Ministries and national stakeholders responsible for climate have been supported by CCCPIR in analyses, knowledge management, process and strategy advice, the provision of tools and training to develop and implement national adaptation strategies and by the integration of climate issues into sector plans and strategies. Component 2 focuses on supporting Vanuatu's national priorities in the area of mainstreaming climate change into national, local government and sectoral policies and strategies and where appropriate their integration with disaster risk reduction and biodiversity activities.

A key area of CCCPIR program support to the Vanuatu government has been the restructuring and institutional reform of national climate change governance. In 2013, SPC-GIZ worked alongside government partners to implement and strengthen the new **National Advisory Board on Climate Change and Disaster Risk Reduction**, which is now the supreme policy making and coordination body on these issues. In addition, CCCPIR has worked alongside and built the capacity of staff, volunteers and technical advisors of the new **NAB Secretariat**.

In Vanuatu, the CCCPIR program has enabled mainstreaming at the national level including preparation towards Vanuatu's new **National Sustainable Development Plan 2015-2025** in direct technical support, alongside the Prime Minister's Office, the Department of Environment, the Melanesian Spearhead Group and IUCN (with direct financial support from SPC-GIZ to IUCN of 20,000Euro). This plan will incorporate sustainability principle of climate change and disaster risk reduction, building on the government's current **Priority Action Agenda** in which CCCPIR helped to mainstream climate change.

The new Ministry of Climate Change was supported by CCCPIR to draft the **National Climate Change and Disaster Risk Reduction Policy**, which will expand on and succeed other CCCPIR supported documents including the draft **National Climate Change Adaptation Strategy** once endorsed by COM in 2014.

With CCCPIR support, 2013 saw a new **National Environment and Green Growth Policy** elaborated which further directs implementation of national **the Environmental Management & Conservation Act** which CCCPIR helped to amend.

2013 was an important year for CCCPIR as it successfully supported, through various technical inputs, the full mainstreaming of climate change into the **Vanuatu Curriculum K-13** working alongside the National Curriculum Development Unit and keeping with the already mainstreamed **National Curriculum Statement**.

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<sup>3</sup> <http://reliefweb.int/report/world/roadmap-towards-integrated-regional-strategy-disaster-risk-management-and-climate>

<sup>4</sup> <http://www.pacificclimatechange.net>

At the sectoral level, in 2013 CCCPIR revised and finalized the **National Forest Policy** in addition to climate change mainstreaming into the **Climate Change and Agriculture Directive, National Livestock Framework, National Tourism Action Plan, National Gender Policy, and the Vanuatu REDD+ Policy**. This mainstreaming work builds on that already completed by CCCPIR including policy support on the **Vanuatu Energy Roadmap, Foreshore Development Act, Physical Planning Act, National Land Use Planning Policy, and Overarching Productive Sector Policy**. In 2014, CCCPIR looks forward to mainstreaming climate change into the **National Agriculture Policy**.

In 2013, CCCPIR ran a climate change mainstreaming training with Government and Provincial Officers of SANMA Province, launching its **TRACES Climate Mainstreaming Approach** for Vanuatu.

In 2013 CCCPIR worked closely with the Vanuatu Meteorology and Geohazards Department, the Red Cross and the Australian Bureau of Meteorology to develop and launch "**Vanuatu Cloud Nasara**" an animation focused on resilience to climate hazards<sup>5</sup>. The animation DVD and Toolkit was provided to over 500 communities and trainings facilitated by CCCPIR with over 50 local agencies and departments.

In addition in 2013, the CCCPIR program worked with the Vanuatu Meteorology and Geohazards Department, and the Vanuatu Cultural Center to develop a draft **Guidelines on the collection and use of Traditional Knowledge related to climate change and disaster risk reduction**. The guidelines have been employed on 3 islands during collections of traditional indicators of climate.

Climate change is now becoming more and more mainstreamed into sector activities, as evidenced by the new CC Guidebooks and Manuals developed in 2013 including a **Citrus Grafting Manual, Yam Vine Cutting Manual, Taro Seed Collection Manuel, Yam Miniset Manual, Alley Cropping Manual, Honey Bee Husbandry Manual, French/Samoan Banana Multiplication Guidebook, Vetiver Grass Manual, Marae Traditional Banana Preservation Manual, Coastal Erosion Factsheet, Gender and Climate Toolbox and Tilapia Manual**. These new manuals are in addition to those which were developed previously including a **Forest Nursery Adaptation Guidebook, Livestock Husbandry and Climate Change Manual, Solar Fruit Drying Manual**. All Manuals and Factsheets are freely available and downloadable<sup>6</sup> on the NAB Portal [www.nab.vu](http://www.nab.vu).

Informed members and skilled trainers of the different sectors of the society are the basis for a sustainable change. Specific capacity building activities undertaken by CCCPIR in Vanuatu have included training with **SANMA Province officers, the Nikoletan Council of Chiefs, Cost-Benefit Analysis training** with adaptation practioners, Department of Health **Village Aid-Post Workers, US Peace Corps Volunteers** and the Counterparts, the **Agriculture Disaster Risk Cluster, Members of Parliament**, participants of the **National Climate and Youth Symposium** as well as the capacity development of **departmental directors and DGs, training of journalists, GIS trainings for land sector officials, training for agriculture extension officers, training of lecturers and teachers, and practical training on CC adaptation with communities, field school with provincial area secretaries, and mainstreaming training with government sector officers**.

To round out the education sector, in 2013 CCCPIR organized the second annual **Climate Zone Quiz Competition** designed to test the climate change knowledge and skills of Vanuatu's secondary schools. Schools from all 6 provinces participated, and the final matches were filmed for dissemination of Television blong Vanuatu.

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<sup>5</sup> <http://www.pacificclimatechangescience.org/animations/cloudnasara/>

<sup>6</sup> <http://www.nab.vu/projects/coping-climate-change-pacific-island-region-spc-giz>

The CCCPIR program has developed Vanuatu's first **Bislama-language DVD series on Climate Change** in Vanuatu including **Climate Change Overview, Climate Change & Agriculture, Climate Change & Food Security, Climate Change and Marine Resource Management, and Climate Change and MPAs, Climate Change and Traditional Knowledge, Climate Change Adaptation on Pele, Climate Change & Gender, Climate Change & Coastal Erosion, Cloud Nasara Animation and Climate Change & Vetiver** which have been disseminated to over 30 islands and over 800 communities in Vanuatu.

In 2013, the CCCPIR program expanded the rollout of and trainings on Vanuatu's first dedicated **Climate Change and Disaster Risk Reduction WebPortal**, [www.nab.vu](http://www.nab.vu), which serves a national coordinating function with a project database, resource database, contact list, calendar of events, and adaptation strategy matrix. Since its launch in October 2012, the new webportal has been accessed 8471 times by 590 distinct users.

Equally important for ensuring climate mainstreaming in Vanuatu is the sustained presence of CCCPIR on the **Vanuatu Climate Change Facebook Page**<sup>7</sup>. As of 31 December, 2013, CCCPIR's facebook page had 2757 friends, and was being followed regularly by 72 people.

In 2013, the CCCPIR program continued its support to Vanuatu's participation in the **Melanesian Spearhead Group (MSG)** and the MSG Environment and Climate Change Technical Advisory Committee. CCCPIR also provided financial resources to hire a **Climate Change Technical Expert** now based at the MSG in Port Vila.

For the second year in a row, CCCPIR has technically supported the Vanuatu Government to prepare for and execute climate change negotiations under the UN Framework Convention on Climate Change (UNFCCC). 2013 saw a major preparatory program leading towards **COP19 in Warsaw Poland**. Of note were CCCPIR's support to drafting two **Submissions to UNFCCC on Gender Equality and Financial Mechanisms**. The delegation opened up national priority development to the public through a two month long awareness campaign, included civil society and ensured that the final delegation was 100% gender balanced.

In detail, CCCPIR technically supported and facilitated the following climate change mainstreaming and capacity building activities in 2013:

Activity	Date	Description	Beneficiaries
Radio Tok Bak Shows	15 Jan, 29 Jan, 23 April, 28 May, 10 June, 20, September, 25 September, 26 Sept, 3 October, 16 October, 4 November, 6 November,	Radio call in shows regarding sectoral topics and climate change	Listenership of over 180,000 people
Agriculture and Climate Change Directive Workshop	10 January 2013	Officers of Dept. of Agriculture workshop to develop a climate change interim policy and directive	Department of Agriculture Staff, 8 males, 3 females
Fish Aggregating Device Training	30-31 January 2013	Officers of Dept. of Fisheries Trained on FADs for climate change adaptation	Members of SHEFA Fishing Association and Dept. of Fisheries Staff, 23 males.

<sup>7</sup> <https://www.facebook.com/climatechange.vanuatu>

Department of Agriculture Mainstreaming, Policy and Strategic Planning Workshop	12 Feb 2013	Officers of Dept. of Agriculture undergo a climate strategic planning workshop to prepare for 2013 activities	Department of Agriculture Staff, 8 males, 3 females
Cloud Nasara Stakeholders Workshop	13 Feb 2013	Members of government, civil society and regional agencies meet to plan for the content and topics of the Cloud Nasara animation	Government and NGO representatives, 28 males, 22 females
Vulnerability Methodology Trials and Assessment at Luma RTC	18-20 March 2013	Trailing of new vulnerability assessment approach at the Lume RTC on Tanna	NGO and VRDTCA reps (10 males, 2 females) + 22 RTC students (10 males and 12 females)
World Wetlands and Meteorology Day	22 March 2013	These of climate change, support and public engagement	Over 1300 males and 1000 females took part in public event at Seafront stage
USP Public Lecture on CC	25 March 2013	Public lecture to all undergraduate students on climate change	350 male students, 200 female students at Emalus campus
NAB Portal Training	9 April 2013	Training for NAB staff and NGO representatives on portal use and function	11 males, 16 females
Cost Benefit Analysis Training	22-26 April 2013	Training on CBA for adaptation projects undertaken by SPC-GIZ, SPREP, USAID for government and NGO representatives	20 males, 14 females
Gender and Development (GAD) CC training	10 May 2013	Training for development workers (peace Corps) and community counterparts on climate change, gender and development on Tanna	168 males, 120 females
3 <sup>rd</sup> Annual Agro meteorology Summit	19-26 May 2013	Training for all government extension officers (Ag, livestock, forestry, environment) on climate variability	45 males, 11 females
Fisheries and Climate Change Adaptation Training	30-31 May 2013	Training for Dept. of Fisheries Staff and NGO representatives on climate adaptation in the fisheries sector	24 males, 9 females
World Environment Day	5 June 2013	Public awareness and debates on environment and climate change	Public event and showcase
Honey Bee Adaptation Open Day	12 June 2013	Public event to showcase novel adaptation techniques for honey bee farmers	40 males, 5 females

Climate change and environmental legislation training	13 June	Training for NGOs on how climate change adaptations fit within existing CC legislation	9 males, 7 females
Youth Climate and Music Night	14 June 2013	Competition for local youth groups to compose and perform songs on climate change adaptation with Wan Smolbag	300 males, 235 females
Public Forum on Climate Change Adaptation and Gender	21 June 2013	Policy lecture for public on gender and climate change	200 males and 180 females in public event
National Forest Policy Launch and Training	6 August	Training for all Dept. of Forestry Staff on Policy directives and climate change implementation	20 males, 6 females
Climate Change Media and Youth Training	9 August 2013	Training for students from five Vila schools on climate change adaptation	22 males, 38 females
Climate Adaptation for Youth lecture	17 August 2013	Training for Pango village youth on climate change adaptation options	50 males, 46 females
Northern Province Province Climate Lead Farmer Training	19-23 August 2013	Training for DARD key farmers to implement climate adaptation strategies	22 males, 8 females
UNFCCC Submission Validations	28 August 2013	Validation workshop on 2 submissions made to UNFCCC on Gender and Financial Mechanisms	11 males, 9 females
Village Health Workers training	2-7 September 2013	Training on climate change adaptation for SHEFA village health workers	20 males, 22 females
Train the Trainers on Cloud Nasara	13 September 2013	Training for Government and NGOs on how to utilize the Cloud Nasara animation and resource kit	27 males and 19 females
Agriculture Policy Workshop	18 Sept. 2013	Workshop with members of Dept. of Ag staff to define program and costs for Agriculture Policy Development	8 males, 7 females.
Climate Change and Coastal Management Field School	20 September 2013	Training for heads of Fisheries from around the Pacific on effective and locally appropriate climate adaptation strategies at Nguna-Pele	20 males, 12 females
Livestock Training exchange with Kiribati	23-27 Sept. 2013	Exchange learning visit with Dept. of Livestock in Kiribati to showcase Vanuatu CC	8 males, 2 females

			adaptation experience	
UNFCCC University Day at USP		27 September 2013	Training with USP Emalus Student on UNFCCC processes and national positions	68 males, 55 females
Community Climate Change Module Development		8 October 2013	Development of content for a new Climate Change community training module	11 males, 2 females
UNFCCC COP Delegation Training		10-11 October 2013	Training for COP delegates to prepare national positions and engage with negotiating texts	8 males, 7 females
VMGD Extension Officer Trainings		14-17 October 2013	Training for all VMGD field rainfall collectors on climate change and climate variability adaptations	45 males, 12 females
UNFCCC Negotiators Training		21-24 October 2013	Training for COP19 Delegation in cooperation with SPREP on how to engage in negotiations at UNFCCC	20 males, 11 females
Agriculture Medium Term Framework Workshop		31 October 2013	Capacity development to mainstream climate change into medium term framework draft for Ministry of Agriculture Staff	12 males, 4 females
National Symposium on Climate Change & Disaster Risk Reduction		4-8 November 2013	Series of events, lectures and field visits for public awareness and action	Over 600 males and 500 females participated in public events
Showcase of Youth Climate Media products		4 November 2013	Showcase of media products that area secondary schools produced on the topics of climate change	8 males, 19 females
Climate Zone Quiz Competition 3013		8 November 2013	Competition among secondary schools throughout Vanuatu to determine the climate zone champion	55 males and 37 females
CCCPIR Tourism Stakeholders Training		15 November 2013	Tourism stakeholders at Nguna-Pele site selected and finalized adaptation solutions	18 males, 16 females
Southern Province Climate Lead Farmer Training		18-20 November	Training for DARD key farmers to implement climate adaptation strategies	22 males, 8 females
Nguna-Pele Taloa Youth Climate Day		22 November 2013	Training for the youth of Nguna-Pele and Taloa village on climate change adaptation	32 males, 44 females
Shepherds Solar Fruit Drying Training		25 November-6 December	Training for 8 communities in the Shepherds Islands of Makira, Emae, Buninga and Tongoariki on solar drying	100 males, 220 females

		techniques	
350 Vanuatu Training	28 November	Training for youth activists on climate change action	20 males, 18 females
Livestock Framework Drafting Workshop	6 December 2013	Members of Dept. of Livestock finalized drafts of policy including climate change issues	9 males
Nikoletan Council of Chiefs Training	10-11 December 2013	Capacity development and statement preparation for chiefs on Tanna Island for climate change adaptation	29 males
UNFCCC COP19 Debriefing workshop	13 December	Debriefing workshop with members of the COP19 delegation to prepare lessons learned on UNFCCC approach for next year's approach	8 males, 7 females
Tanna TK Collection Missions	12-20 December	Collection of traditional knowledge related to climate change on Tanna Island	185 males, 90 females

### COMPONENT 3: Implementing Adaptation and Mitigation Measures

In 2013, the CCCPIR program has supported government and civil society actors responsible for climate change and adaptation in designing and carrying out suitable adaptation and mitigation demonstration and pilot measures. Advisers have supported communities in the participatory planning, implementation and reviewing of adaptation experiences.

In Vanuatu, Component 3 focuses on the implementation of adaptation and mitigation measures, particularly at the community level.

Implementing model projects on climate change adaptation on pilot sites has been of crucial importance in order to gather experiences on the ground and feed them back into the national strategic and policy development processes and create success stories of concrete adaptation measures.

Pilot site activities have continued in the two sites selected in 2010 through an intensive consultation process:

**Pele Island**, susceptible to the climate change impacts of sea level rise, coastal inundation, rainfall variability, soil nutrient loss, and coastal & hillside erosion.

**Teouma Community**, Efate Island, susceptible to climate change impacts of rainfall variability, soil nutrient loss, high wind exposure, and excessive temperatures.

Also in 2013, the new pilot **Province of TAFEA** was selected by NAB, CCCPIR and SPREP with vulnerability assessments conducted in 18 communities.

Adaptation options for field trials were developed by government technical experts reflecting national priorities and building on the results of **detailed Vulnerability and Adaptation Assessments** carried out in the pilot sites. To further highlight adaptation options in pilot sites, the program worked alongside the Department of Agriculture and Rural Development and five other national partners to develop **an add**

on **Agricultural and Climate Change Assessment** to the V&A methodology and develop a **Farming as a Business** training module for the VNTC.

Demonstration activities being trialed and evaluated in 2013 for up scaling in the Pilot Sites include **Coastal & Hillside Erosion Control Measures through Forestry, Soil Enhancement & Composting, Crop Diversity Trails for Climate Resilience, Adapted Farming System designs for CC Resilience, Livestock Breeding Trials for CC Resilience, Integrated Agriculture & Livestock Systems, Crown of Thorns Starfish Composting, Marine Resource Management, Solar Fruit Drying and Food Preservation, Steam Cooking Systems, Silage Livestock Feed technologies, Citrus Grafting technologies, Banana and Yam multiplication technologies, Composting Toilet technology, Tilapia Backyard Urban Food Security, Honey Bee Husbandry enhancement, and Livestock Biogas technologies.**

See also two **short films on pilot adaptation** produced in 2013:

1. Gender and Climate Change; <http://apidae.com.au/A2C2/video/gender-health-and-climate-change-a2c2-vanuatu/>
2. Coastal Erosion and Climate Change; <http://apidae.com.au/A2C2/video/coastal-erosion-and-climate-change-a2c2-vanuatu/>

In addition to those produced in the past:

1. Crown of Thorns; <http://webdocs.dw.de/vanuatu/english>
2. Teouma Pilot Site; [http://tvdownload.dw.de/Events/mp4/globalideas\\_en/globalideas\\_en20120806\\_vanuatu\\_sd.mp4](http://tvdownload.dw.de/Events/mp4/globalideas_en/globalideas_en20120806_vanuatu_sd.mp4)

The Vanuatu CCCPIR places a strong emphasis on partnerships and collaborations; specifically finding ways to value add on adaptation projects through multi-partner implementation. In this regard, CCCPIR has initiated several unique partnerships for climate change adaptation:

1. Joint initiative among the European Union, USAID, the University of the South Pacific, the Nguna-Pele Marine and Land Protected Area Network and the SPC-GIZ CCCPIR program on **ridge to reef community-based adaptation** implemented (16 communities on North Efate)
2. Joint CC Consortium multisectoral **community-based adaptation** program in implementation among SPC-GIZ, Oxfam, Care, Red Cross, VRDTCA (28 communities in Tanna and Torba Province)
3. Joint Initiative on CC and **water resources adaptation** among SPC-GIZ, SPC-SOPAC IWRM and Sanma Provincial Government (6 communities in Sarakata Watershed).
4. Joint Initiative on **Climate Variability education and animations** among GIZ, BoM Australia, CSIRO, Red Cross and Vanuatu Government
5. Joint initiative with the Australian-funded Climate and Oceans Support Program in the Pacific (**COSPPac**) to collect and analyse **traditional indicators of climate and climate variability**.
6. Joint initiative between SPREP, CCCPIR and TAFEA province to undertake adaptation programs in communities.

#### Major Pilot Site Activities in 2013

Activity	Date	Description	Beneficiaries
Training on Fish	30-31 January, 6-7 February, 16-17	Training for area chiefs, resource managers and fishermen on the use and	Over 100 males

Aggregating Devices	April, 7 August	deployment of fish aggregating devices for climate change adaptation	and 60 females
Cloud Nasara Workshop	18 February 2013	Community dissemination of Cloud Nasara content for feedback and awareness	25 males, 36 females
Nguna-Pele Solar Dryer Training Workshop	25-28 February 2013	Training for local women on solar drying techniques and approaches	38 females, 2 males
Land Policy Development Workshop	22 March 2013	Workshop with chiefs and community leaders on land use planning and sustainable land use	29 males, 7 females
Malapoa – Pele Climate Change	12 April 2013	Students of Malapoa College work with the climate representatives for adaptation on the island	37 males, 26 females
Local Climate Change Field School	15-19 April	Local leaders and key farmers trained in hands on climate change adaptation techniques	30 males, 42 females
Field Trip with APTC Students	11 May 2013	Training excursion for APTC students to work with Teouma Futuna residents on climate change adaptation	43 males, 29 females
Local Bee keeping Open Day	18 June 2013	Open day for pilot site residents to learn about and visit the bee keeping sites on Pele	100 males, 23 females
Handing over of agriculture adaptation manuals to people of Teouma Futuna	28 June 2013	Successful trial and handover of 2 agricultural manuals which were tested and developed in Teouma Futuna pilot site.	35 males, 29 females
Climate Adaptation Field School – Save the Children	10 August 2013	Hands on training of Pele climate adaptation technologies for the staff and partners of Save the Children Vanuatu	18 males, 23 females
Nguna-Pele Tourism Climate Activity	26 August 2013	Meeting with tourism stakeholders to define vulnerabilities and propose testable solutions for the tourism sector	15 males, 22 females
Mele Vetiver Grass Planting	28 August 2013	Work with Mele community to plant over 1m of eroding coastline with vetiver grass	200 males, 175 females
Island Cabbage Resilience Trials	16-20 September 2013	Collection and replanting of climate resilient island cabbage in Teouma Futuna	90 males, 31 females
FAD Fish Aggregating Device Training	9-10 October 2013	Training with area fishermen on how to monitor FAD catches	32 males, 6 females
Composting Toilet Training	20-24 November 2013	Training with the leaders of Nguna Island on the construction and use of a composting toilet	35 males, 12 females

#### COMPONENT 4: Sustainable Community Tourism

CCCPIR launched its sustainable community tourism and climate change adaptation activities in 2013, with the technical support of an external consultancy firm and on-ground expert.

The first two planned phases of situational/vulnerability analysis and participatory adaptation planning have been completed and the final implementation phase is currently under way. The two pilot sites chosen for this adaptation piloting are the Nguna-Pele area and the Havannah Harbour area, both on North Efate. These two sites were endorsed by the Vanuatu Tourism Board due to their proximate location and existence of current tourism activities. Community consultations and training were undertaken on 8 Mar 2013 for Havannah Harbour community and tourism stakeholders and on 26 Mar 2013 for Nguna-Pele community and tourism stakeholders. Both communities endorsed project objectives and fully offered their areas as pilot sites for the project.

A tourism climate vulnerability assessment was carried out at Nguna-Pele from 26-27 Aug 2013 and at Havannah Harbour from 15-17 September 2013. Pilot Site data were collected from desktop review and stakeholder consultations, and two pilot site tourism and climate profiles have been developed. A tourism climate change adaptation toolkit framework was refined and used to guide vulnerability assessments and selection of adaptation interventions. Climate change adaptation trainings were conducted with North Efate tourism stakeholders in November 2013, in partnership with the National Tourism Development Office.

## COMPONENT 5: Sustainable Energy Management

CCCPIR expanded its sustainable energy management activities in Vanuatu in 2013, and agreed with stakeholders (Department of Energy, Mines and Mineral Resources and Vanuatu Meteorology and Geohazards Department) on the following activities for the year:

- Support to carry out a household energy survey (with ADB PEEP 2 and UNDP)
- Continued support for activities to promote energy efficiency (with ADB PEEP 2) and renewable energy in Government buildings;
- Preparation of a feasibility study and technical specifications for a solar PV project at the Meteo building; and
- Assistance for the preparation of a solar and mini-hydro proposal to the UAE Pacific Partnership Fund

The major results from these activities are as follows:

1. A household energy survey was completed in Port Vila and Luganville covering around 1200 households in total. The report is currently being finalized.
2. The Government of Vanuatu (GoV), the Asian Development Bank (ADB) PEEP2 and SPC-GIZ CCCPIR have collaborated to produce several energy audit reports in Vanuatu which has led to a major funding proposal being developed by PEEP2 and approved by ADB to reduce energy consumption. The contract for the equipment has been signed and installations should be completed in the first half of 2014 under the PEEP2 project.
3. The Government of Vanuatu (GoV), the Asian Development Bank (ADB) PEEP2 and SPC-GIZ CCCPIR are collaborating to measure energy consumption before and after energy efficiency

installations at a number of Government buildings to enable accurate impact assessment in terms of electricity savings and CO2 emissions reductions.

4. The Government of Vanuatu and SPC-GIZ CCCPIR completed a preliminary survey of potential solar PV installation sites at various public buildings around Port Vila.
5. The Government of Vanuatu and SPC-GIZ CCCPIR completed a solar energy feasibility study for the Meteo Building including development of technical specifications for a solar PV project.
6. The Government of Vanuatu, with assistance from SPC-GIZ CCCPIR developed and submitted a renewable energy project proposal to the UAE Pacific Partnership Fund. The solar component of this proposal has been approved for funding and the installations should be completed in 2014.

## COMPONENT 6: **Climate Change Education**

2013 saw the completion of the major mainstreaming of climate change elements into the K-13 new Vanuatu Curriculum. National training institutions for primary and secondary teachers and vocational training have been advised on the integration of climate change into policies strategies, curricula and assessment standards.

In Vanuatu during 2013, the CCCPIR education component organized several major climate change and curriculum workshops with the curriculum writers for both senior and primary levels. The writers were able to think through the various subjects and learning areas, and identify ways by which climate change could be incorporated into existing and new syllabi.

A Training Module on climate change and disaster risk reduction was drafted in partnership with the Vanuatu Rural Training Development Centers Association (VRDTCA), SPC's Center for Education, Training and Communication. In addition, several children's books in the Pou and Miri series were developed by the CCCPIR region component and disseminated to area schools and kindergartens.

### **Governance of the CCCPIR in Vanuatu**

CCCPIR Vanuatu has been heavily engaged in supporting Vanuatu to improve and strengthen the governance of climate change projects and program at a national level. At present, the CCCPIR program is broadly governed under oversight of NAB Chair and Director General of the Ministry of Climate Change, Jotham Napat. Operational decisions are taken in consultation with relevant Department Heads, departmental technical staff, and officers of the NAB Secretariat/PMU according to the nature of the project or activity.

## SPC-GIZ Program Summary Budget Breakdowns for 2013 (Planned versus spent)

	Budget line	2013 Planned (Vatu)	2013 Realized (Vatu)
1	Technical expertise: long term and short term advisory services	37,748,000	37,748,000
2	Equipment	1,000,000	1,324,413
3	Training and Workshops	3,100,000	8,304,410
4	Pilot site activities	3,565,000	9,287,874
	<b>Total</b>	<b>46,200,000</b>	<b>56,664,697</b>

## New Revised SPC-GIZ CCCPIR Program Budget 2009-2015

## Donor Aid In Kind (vatu)

Items	1 <sup>st</sup> Year 2009	2 <sup>nd</sup> Year 2010	3 <sup>rd</sup> Year 2011	4 <sup>th</sup> Year 2012	5 <sup>th</sup> Year 2013	6 <sup>th</sup> Year 2014	7 <sup>th</sup> Year 2015	Total
Equipment		4,400,000	1,400,000	5,493,906	1,324,413	1,000,000	1,000,000	14,618,319
Trainings/Workshops	1,400,000	2,750,000	4,290,000	9,496,739	8,304,410	3,100,000	3,100,000	32,441,149
Technical Expertise	3,900,000	31,000,000	28,900,000	29,988,500	37,748,000	15,000,000	15,000,000	161,536,500
Pilot Site Activities		2,850,000	4,500,000	7,213,119	9,287,874	3,565,000	3,565,000	30,980,993
Total	5,300,000	41,000,000	39,090,000	52,192,264	56,664,697	22,665,000	22,665,000	239,576,961

As outlined in the GIZ-Vanuatu MOU, the German Government through GIZ is providing Technical Assistance in different forms to the project (long term and short term expertise, equipment, training, financial support for pilot projects, communication etc.). The equivalent amount to provide these services can be estimated at up to 239,576,991Vatu. Note\*\*: The amounts provided below are approximations only, and can be reallocated between the different items according to the implementation needs.