



DEPARTMENT OF CLIMATE CHANGE, VANUATU

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Mike Sam Waiwai, Director

Welcome to our readers to this second edition of the Department of Climate Change (DOCC) newsletter. This second edition will mostly highlights key activities carried out this year 2021. This annual newsletter is an initiative to share information on the Department's activities to increasing the resilience of our people and communities to the issues affecting them as a result of climate change and natural hazards. Year 2021 is a special and a challenging year for the Department of Climate Change with many achievements and successful stories builds from 2020 despite of Covid-19 pandemic. Many supports and outputs achievements came from donor partners, NGO's, civil societies, government stakeholders and projects to implement the country's priority needs that are aligned with the development of the department's strategic plan 2021 – 2023. We hope you will find it to be informative and interesting to read. You can find out more by contacting our office in Port Vila or by checking the department website.

DEPARTMENT OF CLIMATE CHANGE

MINISTRY OF CLIMATE CHANGE

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PACRES Program



Vanuatu is one of five Pacific ACP countries where the €12 million EU funded Intra-ACP1 GCCA+ Pacific Adaptation to Climate Change and Resilience Building (PACRES), proposes to scale up adaptation/ecosystem-based adaptation (EBA) pilots. The Pacific Adaptation to Climate Change and Resilience Building aims to ensure better regional and national adaptation and mitigation responses to climate change challenges facing Pacific ACP countries. It is being implemented jointly by the Secretariat of the Pacific Environment Programme (SPREP), the Pacific Islands Forum Secretariat (PIFS), the Pacific Community (SPC) and the University of the South Pacific (USP). The Project is provisionally entitled: 'Restoration of the Tagabe River watershed and key urban and peri-urban areas of Port Vila Project'. The Project is being developed in two stages, to be implemented in parallel between late 2019 and mid-2022. The Department of Climate Change is working in alliance with the government stakeholders/departments, especially the department of Water Resources, department of Forestry and the department of Environment with the project plan and strategizing how best to implement the PACRES activities. This is done in close partnership with the Project Partners including the Non-Government Organizations, Aid Donors, Non-State actors,



DoCC Team and other stakeholders at the planting site

Private Sectors, Tagabe River Water Committee, and the communities who are living along Tagabe River. Focus is on implementing a 'build-on' strategy to what the current and past ecosystem-based adaptation projects have been doing at Tagabe River in terms of riverbank stabilizations and riparian zones rehabilitation. The tree planting program along river catchment was carried out successfully in collaborated with Ridge to Reef (R2R); Department of Climate Change; Department of Forests; Vanuatu Foresters Association and community NGOs such as Ifira Marine Management; Maro Landscaping and Botanical Garden to conduct tree-planting day at the Tagabe River estuary along the Black Sand's coast to commemorate World Water Day, World Meteorological Day and Forests Week, events in March. About 1,618 trees were planted along the riparian zone at black sand area and Erangorango.

Department of Climate Change, Ministry of Climate Change and Natural Disaster,

PMB 9054, Namba 2 Area Port Vila, Vanuatu, Ph: 678 22160

Visit department of climate change website: <https://docc.gov.vu/>

Email: docc@vanuatu.gov.vu

Facebook page: Department of Climate Change

“Climate Change affects us all, Lets take actions towards achieving a Sustainable and Climate Resilient Vanuatu”



Program continue.....

The PACRES project team here in Vanuatu comprises of Project Officer Jackson Tambe, the USP RCO Officer Morris Harrison and Ioan Viji Vutilolo the as Forestry Officer to oversee nursery expansion and planting of seedlings. The team works under the guidance of Director Mike Sam Waiwai Department of Climate Change.

The 2021 achievement of PACRES project are:

- Desktop review status of Tagabe River watershed, Watershed management plans and adaptation pilots
- Support Consultation and development of DOCC restructure
- Provide on-ground support to wildlands consultants for reviewing the Tagabe River Catchment Management Plan
- Being part of SPREP evaluation team for recruiting a consultant to explore and implement Eco-friendly technology, materials and alternatives for riverbank stabilization and riparian zone rehabilitation
- Assisting a Nursery Expert, Mr. Ioan Viji for settling down at the department of forestry after his successful appointment to sign a Contract with SPREP. His task is to coordinate and nurse 5,000 poly bags of nursery for the riverbank rehabilitation.
- Assisting SPREP with Evaluation screening for recruiting a consultant for the institutional mechanism and operation for inter-sectorial means that supports restructure of the department of climate change. The processes are now completed and we expecting activities from January- November 2021.
- Continuing the consulting with stakeholders to strengthen coordination for implementing EBS with government stakeholders, non-state actor and private sectors.

- Have contracted a new nursery coordinator to setup and prepared 5,000 seeding on nursery which is now established and in progress.

USP's RCO, Morris organised a series of awareness raising sessions across the PACRES sites in Vanuatu between August and October 2020 in collaboration with PACRES Project Officer Jackson, the R2R Project Officer, Ericksen Packett, DoCC and the Department of Environmental Protection and Conservation. The awareness sessions were carried out through the Tagabe River Management Committee, in an effort to continue the Locally Managed Climate Change Adaptation network that the Committee supports. A total of 106 people, 69 females and 37 males, from 10 communities participated in the awareness sessions. The communities were from Tagabe, Black sands, Ohlen and Ifira area.

PACRES project Component include Capacity building Led by USP to support and sponsored 11 government officers and the public for short course in Certificate IV Resilience. About 5 officers in the department of climate change has taken up this opportunity as part of the capacity building. The Department of Climate Change acknowledge PACRES project selection to select the department staffs in understanding the nature and aspect of climate change in respect to resilience of a country to climate related impacts.



“The 2021 business plan’s activities will require collaboration and support from All its stakeholders at all Level”

Director
Mike Sam Waiwai

Small Islands Awareness Program For Tafea Outer Islands

Climate change in Vanuatu today especially for small islands and vulnerable community observed and experienced to be evident in the community. Small islands, remote sites and communities of Vanuatu are highly subjected to direct and indirect causes and impacts sourced from climate change. The baseline information’s shows that around 40 % of households do not have access or receive any climate change and disaster related information. The planned activity for small islands awareness program was conducted in 30 communities in Tafea Outer Islands (Erromango, Aniwa, Futuna and Aneityum). The methodology used for community preparedness were:

- **presentations** of different information about the department and key stakeholders in address the impacts of climate change,
- **Key Informant Interview (KII)** at assessing the roles of key provincial leaders and NGO's representatives in relation to accessing and processing DoCC information in their respective sectors and organizations within the province,
- **Focus Group Discussion (FGD)** as a stock take exercise aimed to gather necessary information from specific groups in the community,
- **Success Stories** in a form of storytelling, climate change videos and articles,
- **Capacity Building (CB)** mainly engaging community to build their knowledge on sustainable agriculture techniques and disaster risk reduction.,
- **Workshops/ consultation** with community leaders in development of community vulnerability risk maps
- **Simulation and tree planting exercise** activities in preparing community to respond effectively during disaster.

The main idea or objective to be implemented during the activity was building remote communities to understand and become more resilient to the impacts of climate change and measures to reduce the disaster risk reduction at village, community and Island level.



Erromango William’s bay workshop/ Consultation with woman leader and Area secretary along with field workers

The total population covered during this awareness program was 3,442

Futuna: 593
Aniwa: 486
Aneityum: 1,559



Umej Community Tsunami drill exercise

Engaging Umej community to participate in Tsunami drill exercise. The drill involves all community members that took part in the exercise. Everyone, including the chief see the importance of this program and still maintain their traditional knowledge and signs as they interact with their surrounding environment.



Project Grant writing Workshop For Tafea Province



Grant writing training participants representing 12 Area Councils of Tafea Province and the Department of Climate Change director Mr. Waiwai, Climate Finance Advisor and Senior Mitigation Officer

The project grant writing workshop was a planned activity highly aligned to the 2022 government policy priorities; on the priority outcome 6: Improved Resilience and Natural Resource Management ensuring protection of the natural environment on the land and at sea upon which our social and economic wellbeing depends, as well as continuing to build our resilience to climate change and natural hazards by – improving climate change adaptation and disaster risk governance to mitigate the effects and impacts of climate change. This program involve 12 area council of Tafea Province purposely to Increase knowledge and skills of the Area Administrators, Area Secretary and Environmental & Climate champions on the area council and community level on how to develop a project concept . Facilitator Ms Diana Hinge Climate Finance Advisor along with Co-facilitator Nelson Kalo conducted the workshop for 2 consecutive days from 21–22nd July 2021. Participants from different area councils had a group exercise for each specific components delivered from the presentation that are aligned to their topic of interest targeting their area council. At the end of the workshop a project concept note was formalized and submitted to Kiwa Initiative Organization.

As a mandated institutions prioritizing and coordinating climate change activities, programs; Department of climate change strategically set a new way of engaging the active environment networks, Community Based Organizations (CBO's) and Area Administrator on climate change grant writing training for which vulnerable communities can use this opportunity to directly draft and design small climate projects to assist them addressing the impacts of climate change observed in their communities. However as part of the program the department also done a submission for project concept note to GEF Adaptation Fund for Shephard outer Islands. Now awaits their response for further development of the project grant addressing the impacts of climate change observed in their communities.



Diana Hinge (CFA) facilitator & Nelson Kalo Co-facilitator during the workshop at Isangel Tanna Island

“Capacity building program is part of the decentralization policy of the government for which to decentralize services to the communities. This will enable additional funding supports for the area council to addresses their needs that are aligned to the impacts of climate change noting limited funding to implement community and areas council needs at the area council level.”

Director

Mike Sam Waiwai

Climate Change Symposium Tafea Province

This year 2021 Tafea Tafea Province was selected to implement the Symposium Activity after Efate in Shefa Province. The Climate Change Symposium organized by the Department of Climate Change Under the Ministry of

Climate change and Natural Disasters on 30th August to 03rd September 2021. The activity was implemented in collaboration with the National Agriculture week in partnerships with various government Ministries such as,

Ministry of Agriculture, Livestock, Forestry, Fisheries, and Biosecurity (MALFFB), Ministry of Trades and Industry, Ministry of Tourism Trade Commerce and Ni Vanuatu Business and Ministry of Finance and Economic management, Ministry of Climate change and Natural Hazards, projects, productive Sectors, NGO's, Civil Societies, Area Councils and local community association & farmers. The key strategy that triggers the partnership and collaboration with the National Week of Agriculture (NWA) given the greater number of people gathered on the venue and would be easier for the team to get audiences and communicating key messages around the areas of Climate Change and Food Security. The NWA theme: **"Building a safe, secure & resilient Vanuatu in the New Normal"**. The NWA theme is strongly aligned with the Climate change symposium theme which is building a sustainable and climate resilient Vanuatu. Number of significant symposium activity was design to be implemented on the NWA which also highlights the celebration with "VANUATU I REDI" to enhance awareness on climate change patterns and weather condition to cope with mitigation and adaptation measures for a sustainable and climate resilient Vanuatu.

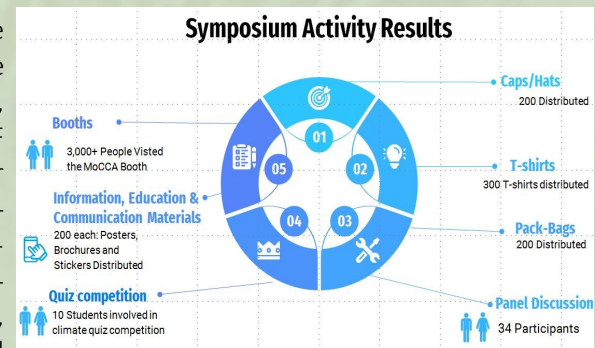


Students and teacher visited climate change booth and enquire for sea level rise model information

The Department of Climate Change with the Supportive representatives of NAB Sec, VMGD, DOE, VCAN, INTV, PACRES, FCPF (REDD+) Project & Interns together participate to implement the symposium activities on ground. The activities coordinated during the symposium are; School Quiz, Field School, Booth awareness, School Sports and Panel Discussion.



Climate Change Symposium and National Week of Agriculture 2021 opening Parade at Lenakel Town, Tanna Island.



During the event climate quiz competition was an highlight involving school students of Tafea College, Lowanatom Secondary school, Lenakel College, Kwataparen Secondary School, Naluken Secondary School and Isangel College compete for First, Second and third place. The outcome of the climate school quiz on the table below.

Winner	Schools	Prizes
1 st . Place	Lowanatom Secondary School	Computer set, printer and external hard drive loaded with quiz materials with certificate
2 nd . Place	Kwataparen Colledge	Agriculture farming materials and will-barrow
3 rd . Place	Lenakel Presbyterian Secondary School	Container of school stationery with certificate
4 th . Place	Colledge de Isangel	1 Rim of A4 papers and stationery
5 th . Place	Tafea College	1 Rim of A4 papers and stationery
6 th . Place	Naluken Secondary School	1 Rim of A4 papers and stationery

Climate Change Quiz Competition Tafea Province

The year 2021 Tafea Province was a selected province to implement the Symposium Activity after Efate in Shefa Province in 2020. The Climate Change Symposium organized by the Department of Climate Change Under the Ministry of Climate change and Natural Disasters on 30th August to 03rd September 2021. There are a number of activities implemented in collaboration with the National Agriculture week in partnerships with various government Ministries. One of the activity highlighted during the symposium activity was the Climate Change Quiz Competition. The Climate change quiz competition is part of symposium overall list of the activities define to be piloted in Tafea Province. This involves prior planning and coordination in collaboration with Provincial Education in Tafea Province.

The activity targets selected secondary schools in Tanna Island and they are; Tafea College, College de Lowanatom, Lenakel Presbyterian College, Naluken Junior Secondary School, College de Isangel and Kwataparen SDA Secondary school. The event took two(2) consecutive days on 2nd September and 3rd September 2021. The sole purpose of this activity was to mainstream climate change through education as education is an essential factor in the ever more urgent global fight against climate change. Knowledge regarding this climate crisis helps young people to understand and tackle the consequences of global warming, encourages them to change their behaviour and helps them to adapt to what is already a global emergency.



Students during the actual competition event.

This component was designed reflecting sort of competition approach allowing students to compete under each category. There were two categories A and B which allocated respectively gathered for three schools per category. The schools in Category A are Tafea Collage, College de Lowanatom and Lenakel Presbyterian Collage, Category B comprise College de Isangel, Kwataparen SDA Secondary School and Naluken Junior Secondary School. Each category has a list of key experts/ Judges facilitating and judging the actual competition. Prior to the commence date of quiz competition, quiz materials were sent a month before for the students to study the learning materials before due date. In addition a number of staffs managed to go through the learning materials with every competitors (students) few days preceding the date of quiz. The main objective of the activity is mainly the Capacity building for the students focuses on climate change impacts, causes and how to address and reduce the causes of climate change in the future.

1	Tafea College
2	Lowanatom Secondary School
3	Lenakel College
4	Kwataparen Secondary School
5	Naluken Secondary School
6	Isangel College



Department of Climate Change Staffs with participants (Competitors) pose before the competition showing YUMI FIGHTEM CLIMATE CHANGE



Lenakel College students at the quiz completion

Winner	Schools	Prizes
1 st Place	Lowanatom Secondary School	Computer set, printer and external hard drive loaded with quiz materials with certificate
2 nd Place	Kwataparen College	Agriculture farming materials and will-barrow
3 rd Place	Lenakel Presbyterian Secondary School	Container of school stationery with certificate
4 th Place	College de Isangel	1 Rim of A4 papers and stationery
5 th Place	Tafea College	1 Rim of A4 papers and stationery
6 th Place	Naluken Secondary School	1 Rim of A4 papers and stationery

Every participant was given a participatory certificate and each school were also given 10 sandal-wood seedlings intentionally to mark their participatory in 2021 climate quiz and at the same time to plant tree as a mitigation measure to reduce greenhouse emission.

Mainstreaming Climate Change Information through Sports and Education

Climate change symposium 2021 has a number of design activities to mainstream climate change key messages through different sectors, however sport discipline was one of the key sectors to Integrate climate change messages and information through sports and education. The Tafea Inter-secondary School Sport Game took place at Lamenu stadium Tanna from 17th—21st May 2021 involve every schools around Tafea Province to participate. The event was spearheaded by the Ministry of Education in collaboration with the Department of Youth and Sport. Department Climate Change integrate one of its activity into the TISSA game event and become a major sponsor for the First, Second and Third prize given the climate change message in each of the prizes as well. The activity designated by the department as an outreach program to promote and provide information on climate change issues through awareness and support students with the sports activities to deliver the key messages around climate change resilience.



students parade with the climate change banners through Lenakel Town

The department also set up booth activities for students and public to get climate change messages and information for better preparedness to the impact of climate disasters. The booth awareness involves talking as well as handing out IEC materials and also package of information back bagged.



DoCC staffs (Nettie Joseph and Henry Kramuel) at the opening parade with a key message on climate change resilience. department of climate change join the parade

The information were given out purposely to help community aware of the impacts of climate change and how they can use their local resources to cope with climate related issue affecting their livelihoods and to apply mitigation and adaptation measures in their communities. Teachers and other MOET officers also requesting climate change materials from the booth to be used as a teaching material at school especially for research purposes and school projects. The population targeted during the event was about 2000 + students and general public during this event .



Students and public joined the awareness at the DCC Booth



Prize given by Mitigation Officer Nelson Kalo for the open category girls winning first price | trophy with a cash of 20,000vt

Climate Update Awareness for La Nina Season

Climate Change Advocacy across the country can be implemented through different approaches with various strategies to get information across to the people of different age groups. The Department of climate change specifically designed with an intension to educate citizens on the national obligations and climate related information's to enable community proactive decisions drawn from the information's obtained through these mediums. In addition, School students and communities also need to be informed of the current changing climatic conditions with the impacts as well as the national priority which will inform individual's career path. This program is not only supporting the implementation of the department's Business plan but also aligns with the policy priorities of National Sustainable Development Plan (NSDP), Env. 3.1; 3.4 and Soc 4 for which to undertake awareness and promote knowledge sharing on climate change adaptation, mitigation and disaster risk reduction practices. The package also implements the alignment of the Vanuatu Climate Change and Disaster Risk Reduction policy (CCDRR) focusing on knowledge and information sharing, climate change adaptation and disaster preparedness. The sole objectives of this activity was to:

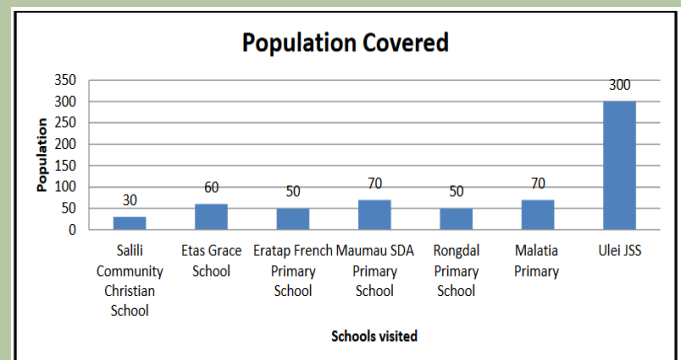
- ◆ Inform different population targets of different age group and institutions; decision makers for the national obligations under the Paris Agreement
 - ◆ Inform students and communities about the physical impacts and linking with the rational of climate change science and how we can mitigate and adapt to address these adverse impacts
- Program involves three (3) different sessions;
- ◆ **Presentations** of different information are of CC in its physical impacts. The key stakeholders raise awareness on their sectoral areas in Energy efficiency and clean energy, climate and weather forecasting and disaster preparedness and response.
 - ◆ **Question and Answer** aimed at assessing the knowledge of students and community about climate change and how to mitigate and adapt and how CC adaptation is integrated with Disaster Risk Reduction (DRR)
 - ◆ **Success stories** from the field to demonstrate the impacts of climate change and disaster and products. This happens in the form of story-telling during past experience of disaster.



Senior COMs Officer (DoE) during school and community awareness at Ulei Junior Secondary School



Installation of Flood Safety Signage for Teouma Bridge Community and Salili Bridge Community



Population covered during the implementation of the activity

INTERNATIONAL DAY OF DISASTER RISK REDUCTION 2021

The International Day of Disaster Risk Reduction is an annual event celebrated every year from 11th—13th October. During this event mass population from different communities were targeted receiving disaster information by the Ministry of Climate Change (MoCC), Donor partners, NGOs, CSOs and other MoCC stakeholders on reducing risk and measures to cope with the disasters affecting their livelihoods. The event was held in Luganville Santo noting that Tropical Cyclone Harold hit Santo and other northern islands of Vanuatu and they deserve to get more information on other natural disaster aggravated during Tropical Cyclone. Coordination of this event was spearheaded by the national disaster management office (NDMO) on the 11th – 13th October 2021 through the support of government agencies, Donors partners NGO's, Civil societies and the Sanma provincial sectors and cluster members. As a normal saying of the NDMO slogan disaster is everyone's business to deal with and the main theme of the event was **"The hour is getting late, only together through international, regional, national and provincial cooperation can we be resilient"**. The event brought many NGOs and government sectors to showcase their resources and informed public about disaster risk reduction approaches and how community and individuals can cope to minimize risk in their respective communities and work places. Organizations Involved are Red Cross Vanuatu, Care International, Save the Children, World Vision,

Vanuatu Society for People with Disability , VCCC, VCAN/OXFAM, ADRA, local CDCCC committees/ members, IOM, Department of Climate Change, NDMO, VMGD, Department of Environment, VIPAM, OGCIO, VNPF, Department of Water and MALFFB. The department of climate change also a major sponsor of 321,000vt to the event and a stakeholder during this and the activities implemented throughout the 3 day event was:

- Forum discussion
- Awareness outreach to the general public and schools
- Tree planting activities involves more than 400 students and community members took part in the tree planting activity at Solway area and Matevulu.
- Booth Tent for sharing IEC materials and engaging students and public on climate change department mandates

The population captured during the 3 days activity at the booth and in the communities was around 2000 + population and 500 + students from various school in Santo. The tree planting of 150 Natapoa seedling, 150 seedlings of Namamau at Matevulu green space and 700 seedlings of Mahogany tree were planted at Solway area protecting the new water source (Luganville water pump station) of Luganville. As part of the tree planting activity NDMO along DoCC organize a student competition of Poem, Easy writing and illustration and award students with prize giving.

OForum Discussion also



George Koran DoCC stakeholder from VCAN at the booth during the event .



Tree planting at Matevulu area with the students before the planting



Pauliane Basil Senior CCA & DRR officer at the DoCC backstopping booth with the students

The outcome of the event brought out some successful stories in which the department had achieve since its establishment in 2019. In addition the department is now moving fast in its implementation under the NSDP target to promote an enabling environment encompassing climate governance, adaptation, mitigation approaches via inclusive and equitable services.

Vanuatu's long-term low emission development strategy (LT-LEDS)

According to the Paris Agreement's article 4 paragraph 19 "All Parties should strive to formulate and communicate long-term low greenhouse gas emission development strategies, mindful of Article 2 taking into account their common but differentiated responsibilities and respective capabilities, in the light of different national circumstances". However LT-LEDS is an instrument that illustrates how countries envision to decarbonize their economies and especially productive sectors as in the case of Vanuatu in the long run, up to 2050 and beyond, against which shorter-term targets can be set through NDCs and NAPs. LT-LEDS can also inform Vanuatu country programs, guide pipeline development priorities, and identify transformational catalytic investments. More broadly, LT-LEDS also provide credibility and certainty that the Paris Agreement goals can be achieved and increase transparency and trust among nations as each Party demonstrates they are working towards a low emission and climate-resilient future. The Vanuatu LT-LEDS is expected to serve as a key document to inform and guide the development of new or revised strategic planning documents assisting them to align to existing NDC and the National Energy Roadmap 2016 - 2030 (NERM) targets and also enabling low carbon planning beyond 2030. The National Sustainable Development Plan 2016-2030 (NSDP), NERM and Vanuatu NDC Implementation Roadmap run through only to 2030, while many investments will have a longer lifespan than 10 years and need a longer-term low carbon strategy to guide decision-makers in various sectors. Gender equality and social inclusion issues and priorities will be incorporated to mitigate negative

impacts and promote equal access to co-benefits. The partnership between Vanuatu, New Zealand and the Global Green Growth Institute (GGGI) will support the development of Vanuatu's long-term low emission development strategy (LT-LEDS). This strategy will then be submitted under the United Nation's Framework Convention for Climate Change (UNFCCC), as part of Vanuatu's commitment to tackle climate change. The LT-LEDS was launched on Wednesday 16th June 2021 at Grand Hotel Port Vila, the Director General of the Ministry of Climate Change, Ms Esline Garaebiti, the New Zealand High Commissioner to Vanuatu H.E. Jonathan Schwass, and GGGI Country Representative for Vanuatu, Fiji, Tonga, and Kiribati, Daniel Muñoz-Smith, met this week to announce the development of a strategy that will put Vanuatu on the path towards a low-carbon, low-emissions economy.



DG – Mrs. Esline Garaebiti in the presence of His Excellency, Mr. Jonathan Schwass – New Zealand High Commissioner to Vanuatu and the key government stakeholders

The Project with the leadership of the GGGI team and the support from the Department of Climate Change (DOCC) established a project steering committee which comprises Directors from the key departments including DOE, Forestry Dept., DEPC, DOCC, Livestock Dept., PVMC, MFAT, NGEF and GGGI.



Delegation during the launching of the Vanuatu Long-Term Low Emission Development Strategy

The main activities and deliverables to be included in the LT-LEDS project are:

- Preparation, planning and institutional arrangements.
- Current situation assessment (capacity, policies, baseline, etc.)
- Development and analysis of different pathways.
- Assessment and prioritization of actions.
- Preparation for implementation and monitoring/evaluation.



DG– MoCC Mrs. Esline Garaebiti Speech during the Launching

Works are on-going well under the GGGI consultants and the finalization and submission for the LT-LEDS before COP27 2022.

Vanuatu COP 26 : Summary outcome

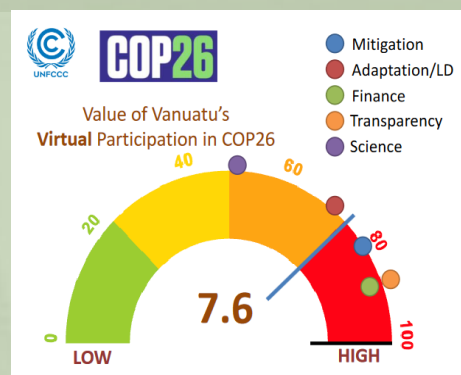
On 22 October 2021 The President of the Republic of Vanuatu officially nominated 42 individuals to the COP26 delegation including Government DGs, Directors, senior officials, NGO representatives, Private Sector Representatives and development partner advisors. Approximately 80% of the delegation was comprised of Government officials. In the lead-up to COP26, the NAB prepared a comprehensive program of capacity building for the delegates.

Virtual Participation at COP26

Due to the COVID19 Pandemic, in person participation was not possible for any Vila-based individuals. Only 3 individuals from Vanuatu's foreign missions were able to attend in Glasgow, severely limiting Vanuatu's engagement. Despite the challenges, the Virtual COP26 Platform was made available, including live streaming for many preparatory sessions, plenary events, informal negotiations and side events. The NAB Secretariat with financing from the Government of Vanuatu, the UK High Commission, the Australian High Commission and the New Zealand High Commission was able to assemble delegates for the entire 2 week period to follow live via internet, contributing text, making interventions in group coordination sessions and participating in side events. Overall Delegates felt that as a second-best option, there was still high value in their virtual participation in COP26.



The most cited benefit was the increase in individual capacity to understand, and effectively engage in UNFCCC processes. This change in individual capacity was measured by assessments in pre- and post- COP technical competence on a score of 1-10, with 10 being high technical competence.



Summary of the COP 26 Actual outcomes

Mitigation

Parties have agreed a suite of measures, including high-level dialogues, reports and fresh commitments to 2030 NDCs, to accelerate emissions reductions in the 2020s. The text:

- recognizes impacts at 1.5°C are lower than at 2°C, the need to reduce emissions 45% by 2030 from 2010 levels which requires accelerated action this decade
- establishes a work programme to scale up mitigation ambition and implementation, requesting the SBs to recommend a draft decision for consideration at COP27
- urges parties that have not done so to communicate enhanced 2030 NDCs and long-term strategies before COP27.
- requests parties to strengthen 2030 NDCs as necessary to align with the Paris Agreement temperature goal by the end of 2022
- commissions the UNFCCC Secretariat to prepare annual NDC synthesis reports, and a synthesis report on long-term strategies by COP27
- convenes annual ministerial roundtables on pre-2030 ambition starting COP27.
- invites parties to consider further action by 2030 on non-CO₂ emissions including methane
- calls upon Parties to accelerate transition to low-emissions energy systems, scale up clean power generation and energy efficiency, and accelerate “efforts towards” the phase-down of “unabated” coal power and phase out of “inefficient” fossil fuel subsidies, recognizing the need for support towards a just transition.

You can access the full report on the Department of Climate Change Website.

Follow link : <https://docc.gov.vu/index.php/resources/>

Vanuatu Biogas Project at Matevulu & Saint Patrick's College

Vanuatu's NDC pledge aims to transition from diesel-generated electricity to about 100% renewable energy for electricity production in their electricity sector by 2030. This will greatly reduce greenhouse gas emissions from Vanuatu's electricity sector as opposed to a business-as-usual (BAU) scenario. There are several planned mitigation interventions, provided funding is available, which can boost Vanuatu's renewable electricity production including additional electricity generated from sources such as the sun (solar), wind and geothermal. Not only is Vanuatu encouraging grid-connected renewable energy projects, but it has also initiated some off-grid projects which have proven very useful for some of their rural communities. One of these initiatives is the utilization of organic waste (green waste and food scraps) to generate biogas via anaerobic digestion. Vanuatu has already seen the multitude of benefits from the biogas systems already installed at two of

their rural educational institutions – Onesua Presbyterian College in North Efate and Vanuatu Agriculture College through EU-GIZ ACSE project which significantly reduce the greenhouse gas emission in the past few years. However Vanuatu under the opportunities provided for by the Regional NDC-Hub have been part of the country priority submissions and so biogas installation at rural educational institution in Vanuatu as a replica. The Biogas Project was then selected to be funded by the MFAT and managed by the SPREP. The project then commence initiation with the government of Vanuatu through the Department of both the Climate change and Energy. The contract was awarded to the winning bid which is the Innovative Aquaculture. This firm is a boutique, Australian consultancy firm, which specializes in delivering development projects in the Pacific Islands region and globally. they work to the highest standards, using local resources and institutions wherever possible; ensuring probity, transparency, and value

for money; and ensuring the aspirations and needs of Pacific Islander peoples are respected and at the center of every project. The project commence June 2021 and to be completed March 2022. The project targets two senior rural educational institutions in Vanuatu Matevulu and Saint Patrick's College. The project focal point sits with the Department of Climate Change and so works in close collaborations with the Consultant, SPREP team and the key institutions in Vanuatu. Weekly meetings are ongoing with an updates in the project progress. Progress with the manufacturing of the biogas products as well as the clearing and preparations at the two schools are going well. The installation of the system at the two schools will be completed by mid-Quarter 1 2022 and so commencing of the system around end of Q3 2022.



A zoom meeting between Nelson Kalo Senior Mitigation Officer at the Department of Climate Change along with the Craig Bohm and Henry Wass Principal Matevulu College.

Vanuatu, Switzerland Sign Bilateral Agreement for Carbon Credit

Bilateral Agreement on climate change cooperation was signed on November 11, 2021 between Vanuatu and Switzerland on the side of the COP26 climate conference. The signing was done virtually via Zoom between the Hon. Minister of Climate Change, Energy, Environment Protection and Conservation, Meteorology & Geo-Hazards and Disaster Management, Bruno Leingkone and Member of the Swiss Federal Council, Her Excellency Simonetta Sommaruga. Ms. Sommaruga said amid the COVID-pandemic and during the ongoing climate conference COP26, Vanuatu and Switzerland have

demonstrated the commitment to combat climate change. "Our engagement and determination send an important signal towards our countries' engagement for a success here in Glasgow," she said. The Agreement we sign today will benefit the global climate, as well as Vanuatu and Switzerland. "The cooperation will lead to enhanced investments in climate action. It will contribute to sustainable development in Vanuatu, financed by Switzerland and will allow Switzerland to reduce more Greenhouse Gas Emissions than only through national measures as part of its Nationally Determined Contribution under the Paris Agreement.



Minister Hon. Bruno Leingkone Virtually signed agreement with his Switzerland counterpart

Together, I believe, we have designed a new quality for international carbon markets: one that avoids double counting and double claiming between any climate objectives, one that strengthens the social components and includes strong provisions for adherence to human rights, and one that allows synergies with domestic climate policies rather than competing with them,” the Swiss Federal Council member said during the virtual signing of the Agreement. “In short, our cooperation will unlock mitigation action and social benefits that otherwise would not have happened. “It is Switzerland’s intention to authorize this mitigation activity upon entry into force of the bilateral Agreement in early 2022.” In his remarks, Minister Leingkone said Vanuatu is a small developing nation with very low emissions at under 0.0016% of world emissions. He said Vanuatu is also one of the most vulnerable to the effects of climate change and has much to lose, should the worst predictions from increased temperature

levels eventuate. As such, the minister said Vanuatu will do its best to mitigate but would require financial, technical and capacity building support to do so. “This cooperation is a leap forward towards implementing mainly private sector driven low carbon initiatives in Vanuatu, contributing towards national sustainable development and goals under Nationally Determined Contributions (NDC), in turn contributing to staying below the 1.5-degree Celsius warming and moving towards the global goal of net zero emissions by 2050,” he said. “The Ministry of Climate Change would like to thank UNDP for the continuous support to move towards achieving our climate goals through this historic bi-lateral agreement. “Looking ahead, Vanuatu envisages to take forward the projects/ programmes which qualify under the Article 6 of the Paris Agreement through the bi-lateral collaboration for transfer of Internationally Transferable Mitigation Outcomes (ITMOs), that can stimulate

investments into mitigation activities and NDC implementation. On this note, Vanuatu also requests support from Switzerland and UNDP to provide appropriate support for Vanuatu (technical, financial and capacity building) as part of wider Enabling environment for effective implementation of Article 6 in Vanuatu.”



Minister of Climate Change Hon. Bruno Leingkon along with DG Esline Garaebiti with the Staffs after the signing between Vanuatu and Switzerland

Staff profile: Meet our department’s staffs

In all our newsletters for the years to come, we will present two officers who are working with the Department of Climate Change (DOCC) and from our partners in Vanuatu. They will be discussing their work, what made them do this job and what they like about their job. In this first issue of the Department of Climate Change quarterly newsletter, we are presenting our two Senior Officers who are based in Port Vila. Nelson Kalo is our Principal Scientific Officer Mitigation and Paulianne Basil who is the Senior Climate Change Adaptation and Disaster Risk Management Officer. The four officers are part of the seven first Government Officers of the new Department of Climate Change recruited at the beginning of year 2019.



Ms Paulianne Basil
Senior Scientific Adaptation and DRR Officer

What is your home Island/country ?

I am originated from Merelava island in the Banks islands in Torba Province and from Mele village in the Island of Efate in the Shefa Province.

What was your Education Background?

I did my primary and secondary education in Vanuatu by attending French schools. I went over to study in the field of Agriculture in a French University in Noumea, New Caledonia and have obtained a Degree in Agriculture in tropical regions. After that I came home and worked at the Department of Agriculture at VARTC in Santo doing research and later on worked for Live and Learn and Save the Children where I have built my interest in the area of adaptation and humanitarian response which brings me to where I am today

What made you work in the area of Climate Change Adaptation and Disaster Risk Reduction ?

I want to work in the area of climate change and disaster risk management because in my previous job experiences I have seen a lot of changes to our environment and our people's welfare as a result of the impacts of climate change, I have developed more interest in Climate Change issues and Disaster Risk Management through direct involvement with communities to build up their resilience in several sectors and identify that there is more work to do but needs proper coordination at the national level in order for all stakeholders to replicate their best practices and approaches in a more holistic way in our future activities.

What part of your work do you like the most?

The part of work I like the most is the climate change adaptation area, which helps to minimize the risk of disaster impacts in terms of sustaining livelihoods when other mitigation methods are not the choice of the communities. By strengthening existing activities at all project sites partners have done adaptation work. Build capacity of stakeholders in new methodologies and improve technologies relevant to our context to ensure implementation of the activities consistent with the practice in ecosystems-based adaptation nationally.

"I believe that equipping our people with the right knowledge is very important to keep them safe from any future disaster events at all times".



Mr Nelson Kalo
Senior Scientific Mitigation Officer

What is your home Island/country ?

I come from the island of Tongoa amongst the Shepherds Islands in Shefa Province in Vanuatu.

What was your Education Background ?

I did my Primary and secondary education here in country before I went to do my tertiary education for an university degree at the University of the South Pacific (USP) Laucala Campus in Fiji. I did a degree in Geography and Management and Public Administration. Because I have so much interest in the Social and Physical Environmental matters, I went on to study for a Post graduate Diploma in Environmental Management. One of the highlights of my education journey was to become a recipient of the Gold Medal award in Geography while a student at the Laucala Campus of USP in Fiji.

What made you work in the area of Climate Change Mitigation ?

Working with Environmental related issues are an interest area for me and climate change being one of them since it drives physical changes in the environment impacting mostly the lives of vulnerable communities of our country. So finding means of

reducing risks of impacts to peoples live is a core objective to enable resilient communities. Therefore, with this passion in mind, I joined the new Department of Climate Change as the Senior Scientific Officer Mitigation. In this role I will help the Vanuatu Government through the activities of the Department to implement activities that can help to reduce the impacts of climate change to our people and their communities.

What part of your work do you like the most ?

art of the work that i like the most is climate change advocacy through means of mitigation as well as liaising with key climate change mitigation stakeholders and partners through advisories and support in initiatives, programs and projects towards curbing as well as tracking GHG emission at the National level. As many communities still need to be better prepared to cope with climate change and disasters facing them today, an ongoing challenge is to build their resilience. I love to travel to the islands to visit the communities mostly on boat and I enjoyed giving awareness talks to schools and communities around the country about climate change issues and providing them with the adequate information on climate change mitigation issues and later revisiting them.

"My interest area is around social and physical Geography.....I also like climate change advocacy work through partnership with key stakeholders".



Johnny Tarry Nimau
Senior Monitoring and Evaluation Officer

What is your home Island/country ?

I come from the island of Tanna located in Tafea Province in Vanuatu.

What was your Educational Background ?

I did my primary and secondary education here in country before I went to do my tertiary education for an university degree at the University of the South Pacific (USP) Laucala Campus in Fiji. I did a degree in Geography and Public Administration with Geographic Information System (GIS). Since I have so much interest in the Physical Environmental matters and how climate change continue to impact people and the environment, I went onto study pursue a Certificate in Climate Change Adaptation & Disaster Risk Reduction along with a Certificate in Emergency Management in Massey University.

What made you work in the area of Climate Change ?

Working in the field environmental science and climate change related are an interest I build since my years of studies. I have experienced and observed how climate change impact the environment and especially vulnerable communities. Therefore I build my experience and skills Further on this job to protect my country coping with CC's & DRR measure from the impacts of climate change.

What part of your work do you like the most ?

Part of the work that I like the most is climate change monitoring and evaluation of activity implemented to address the impact of climate change in Vanuatu. Working in the field of climate change really enjoyed me as we do advocacy work through means of mitigation as well as liaising with key stakeholders and other partners through advisories and evaluate project initiatives, programs towards achieving resilient in Vanuatu. I love to traveling to remote islands and communities giving awareness and learn from the communities and how we can adjust way of living which can moderate harms and reduce the impacts to the livelihoods.

“Climate change is happening here and is happening now , we have to collaborate together with stakeholders and partners to fight climate change and increase resilient in our country ”.



Nettie Joseph
Senior Procurement and Contract Officer

What is your home Island/country ?

I come from the island of Makira located in Shefa Province in Vanuatu.

What was your Educational Background ?

I did my primary and secondary education here in the country before I pursue further studies in Zhongnan University of Economics and Law in the Republic of China. I did a Bachelor in Accounting and Business Management and I am passionate to work in the department of Climate change. Climate change is a global issue affecting many communities in different part of the world. Vanuatu ranked as the country with the highest disaster risk according to the 2021 World Risk Report. Remote islands and communities in Vanuatu have witnessed the evidence. I love working with communities and help fight climate change to increase resilient.

What made you work in the area of Climate Change ?

Climate change pose significant challenges to a country's economic growth and employment today. Being brought up by parents and live in a small island in the shepherds group and have witnessed climate change impact in the community brought me to where I am. Therefore working in this field of climate change purposely to help communities together to build a resilient country Vanuatu.

What part of your work do you like the most ?

Part of the work I like the most is the traveling experience. Traveling by boat, plane and visiting remote communities is an adventure for me. Not only for boat ride experience but to experience different ways of living in different communities and with the impact of climate change I tend to understand our communities have shifted in adaptive lifestyle (climate change adaptation).

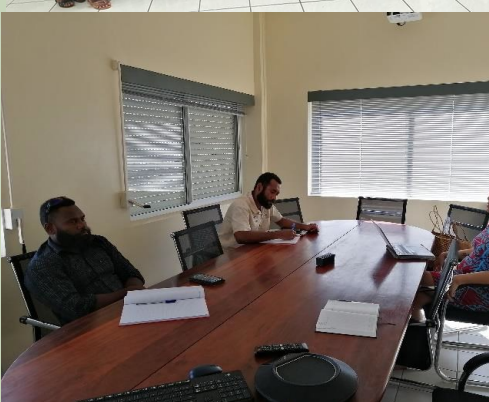
“I believe if we take actions and work together we can manage the risk of climate change in our community”.

List of Regional and International Meetings Attended in 2021

Date	Meeting/Workshop	Thematic Area	Staff Attended	Sector Involved
January	1.NDC Hub/ SPREP Team Meeting on Biogas project 2.Informal consultation meeting 3. VCCRP Feasibility study	Biogas Project COP26 Preparation & UNFCCC matters CCA project	Nelson Kalo, Ian Iercet & Director Mike Waiwai Nelson Kalo Pauliane Basil	DoCC DoE Coordinator NDC/TNC Project DoCC NAB & Others DoCC STC/VCCRP consultants Nguna/ Pele Environment & Marine Conservation Network
February	1. Workshop 2. Workshop 3. Virtual Meeting 4. Stakeholder meeting 5. Virtual meeting 6. Meeting	Mitigation TWG Mitigation part of TNA project NDC-Hub virtual Screening Committee meeting on review of NDC-hub strategic plan National state of Environment report Loss and Damage NDC barrier analysis REDD+ strategic and DoCC Consultation on Restructure	Nelson Kalo Nelson Kalo Nelson Kalo Nelson Kalo Pauliane Basil Pauliane and Nelson Director Mike Waiwai, Nelson Kalo and Pauliane	DoCC, VCAN, DoE, MOET and DEPC DoCC, DoE, DARD, CAAV, Pacific Petroleum, VCAN NDC focal point within Pacific Region DEPC, NAB, Department of Fisheries, DARD Melanie Researcher, Malcolm Dalesa (DoCC/DSSPAC) DoCC DoCC Consultant and DoCC
March	1. Virtual Meeting 2. BIEM Wedge-Tail Workshop 3. Workshop 4. NAB PSC meeting 5. Workshop 6. Workshop	LDC Article 6 of the Paris Agreement (Markets and Non-markets officers) Wedge –tail management plan World forest Adaptation and Mitigation CCDRR VCAP National Validation Workshop VCCRP National Consultation workshop	Nelson Kalo Nelson Kalo Pauliane Basil and Nelson Kalo Pauliane, Nelson and Johnny Pauliane, Nelson, Director Mike, Jackson	DoCC, DoE DoCC, Blue coast consulting ,DEPC DoCC, DoF All Stakeholders All stakeholders All stakeholder

Date	Meeting/Workshop	Thematic Area	Staff Attended	Sector Involved
April	1. Wider stakeholder workshop 2. Workshop	NDC- Adaptation Small Island preparatory and planning	Nelson Kalo, Pauliane Basil Anne-Marie, Thomas Butu All DoCC staffs	DoCC and project staff DoCC, VMGD, NDMO, DOWR, DARD, Forestry Dept, VCAN
May	1. Virtual meeting 2. Virtual meeting 3. Virtual training	Finalization of COPE Strategy Informal Technical on transparency under SBSTA-CRT for National GHG Inventory National COM's & Institu-	All DoCC staff and Project staff Nelson Kalo Nelson, Fidel, Thomas, Nettie, Lonie, Nigel	DoCC and Project staff DoCC and other international country participants DoCC, DEPC, GSP, NDC-Hub
June	1. Launching Workshop 2. Meeting Virtual training	LT-LEDS Project UNFCCC Intercessional GSP training on vulnerability adaptation Assessment	Nelson Kalo, Director Mike Waiwai Nelson, Diana, Ann-marie Nelson and other DoCC staffs	DoCC, MoCC, NAB, GGGI, DoFT, DEPC, MOET, VMGD, DOWR, DARD, MFEM, DLA, DoE, NDMO, VTO, NZ-High. Com DoCC, DoE, DSPPAC DoCC
July	1. Consultation meeting 2. Virtual meeting 3. Training Workshop	LT-LEDS stakeholder and weekly updates Inception meeting Grant writing workshop	Nelson Kalo Nelson Kalo Nelson, Diana and Fidel	DoCC, GGGI, NGO, Private sector consultant DoCC Matevulu College, Saint Patrick College, SPREP and Innovative aquaculture DoCC, TPGC- AAs and AS
October	1. Meeting 2. Training/workshop	UNFCCC Task Force Negotiation training by NAB	Pauliane and Nelson Nelson, Pauliane, Nettie and Fidel	DoCC, NAB, DOFT, DSPPAC, VCAN DOCC, DoE, DEPC, DoWR, NGEF, NAB
November	1. Virtual meeting 2. CBIT Inception workshop 3. Meeting Virtual conference Meeting	UNFCCC COP 26 CBIT Project Biogas Pacific GIS and Remote Sensing Conference	Pauliane, Nelson, Nettie and Director Mike Nelson Kalo Nelson and Pauliane Johnny and Fidel	DoCC, DoWR DoWA, MOET, Forestry Dept, NAB, VMGD CBIT Stakeholder DoCC, SPREP, NDC-Hub DoCC, VNSO, MOLNR, DEPC, Forestry Dept, For-
December	1. Virtual Meeting	ICAT Discussion	Nelson, Pauliane and Diana	DoCC, NAB, ICAT team

YEAR 2021 IN PICTURES ACTIVITIES



CALENDAR OF EVENTS FOR 2022



DATES	EVENTS / ACTIVITIES
24 January	International Day of Education
26 — 27 January	DoCC First Aid Training
1 — 24 March	Adaptation TWG Meeting setup
21 — 25 March	Project Grant writing Workshop
28—31 March	Bio-gas Project completion and launching
31 May — 10 June	Intercessional meeting
June — July	Small Islands Awareness Program and vulnerability As-
11 — 14 October	IDRR and Climate Change Symposium
1 — 4 November	COP 27

Our Stakeholders and partners ?

Our stakeholders and partners are all Government and private sectors and NGOs working on climate change and disaster programs in Vanuatu

Where you can find us ?

The Department of Climate Change is located at the premises of the Ministry of Climate Change Head Office in Namba 2 Area in Port Vila

How to Contact us ?

Contact us by mail to:
Climate Change, PMB 9054, Namba 2 Area
Port Vila, Vanuatu
Ph: +67822160, Email:
docc@vanuatu.gov.vu
Website: www.docc.vu
FB page: Department of Climate change

Editor: Fidel Zebeta
Sub-Editor: Nelson Kalo
Layout & Design: Fidel Zebeta

Writers/ compilers:
Nelson Kalo, Johnie Tarry Nimau,
Pauliane Basil and Fidel Zebeta