



Ministry of Climate Change
Government of Vanuatu

ANNUAL REPORT 2021

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Government of Vanuatu
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ACRONYMS

| | | | |
|----------------|---|---------------|--|
| CC | Climate Change | MFEM | Ministry of Finance and Economic Management |
| CCA | Climate Change Adaptation | MoCC | Ministry of Climate Change |
| CCC | Community Climate Center | MP | Member of Parliament |
| CCDRR | Climate Change and Disaster Risk Reduction | NBSAP | National Biodiversity and Strategy and Action Plan |
| CDC | Community Disaster Committee | NDMO | National Disaster Management Office |
| CITES | Convention on International Trade in Endangered Species | NDSDP | National Sustainable Development Plan |
| COM | Council of Ministers | NEOC | National Emergency Operations Centre |
| CPEIR | Climate Public Expenditure and Institutional Review | NEPIP | Vanuatu National Environment Policy and Implementation Plan |
| CSU | Corporate Services Unit | NGEF | National Green Energy Fund |
| DEPC | Department of Environmental Protection and Conservation | NGO | Non Government Organization |
| DG | Director General | NPP | New Project Proposal |
| DoCC | Department of Climate Change | PMO | Prime Minister's Office |
| DoE | Department of Energy | PSC | Public Service Commission |
| DRM | Disaster Risk Management | REDD+ | Reducing Emissions from Deforestation and forest Degradation |
| DRR | Disaster Risk Reduction | SDGs | Sustainable Development Goals |
| EIA | Environmental Impact Assessment | SEAV | Sustainable Energy Association for Vanuatu |
| EP | Environment Permit | SOP | Standard Operating Procedures |
| ESSF | Environment and Social Safeguards Policy Framework | TC | Tropical Cyclone |
| EWS | Early Warning System | TVET | Technical & Vocational Education & Training |
| GCF | Green Climate Fund | UNFCCC | United Nations Framework Convention on Climate Change |
| ICT | Information and Communications Technology | VanIPO | Vanuatu Intellectual Property Office |
| JICA | Japan International Cooperation Agency | VIPAM | Vanuatu Institute of Public Administration and Management |
| LPO | Local Purchase Order | VKS | Vanuatu Cultural Centre |
| M&E | Monitoring and Evaluation | VMGD | Vanuatu Meteorology and Geo-Hazards Department |
| MCCA | Ministry of Climate Change Adaptation | VREP | Vanuatu Rural Electrification Project |
| MEPSL | Minimum Energy, Performance Standards & Labelling | | |

Minister's Statement

It is with pleasure that I hereby submit to Parliament the 2021 Annual Report of the Ministry of Climate Change and Adaptation. A scholar once said, “a goal without a plan is just a wish.” The 2021 Annual Report for the Ministry of Climate Change Adaptation is an important document in the planning process, allowing this Ministry to evaluate what has worked well and what didn’t and improved in the coming years.

In 2021, the Ministry was faced with three different disasters. Firstly, Vanuatu recently joined the world in the fight against the COVID-19 from spreading to its shores with the announcement made by the Head of State His Excellency the President of the Republic of Vanuatu Pastor Moses Talis of the State of Emergency and a detailed instrument first declared by the Caretaker Prime Minister Honourable Charlot Salwai Tabimasmass back in March 2020. Vanuatu has joined other Pacific island nations to do the same as a measure to combat the Corona Virus from reaching its shores.

Secondly, at the same time as the pandemic crisis, Vanuatu has also faced four (4) different cyclones named Bina, Lucas, Nirán, and Ruby. These cyclones have intensified to a category one whereas Nirán was recorded as a category five cyclone as it makes its way to New Caledonia.

Finally, the Tanna Volcanic Ashfall response triggered the Ministry of Climate Change through NDMO to respond to the ashfall in Tanna. Through it all, the Ministry in collaboration with other key ministries and partners responded effectively and efficiently to the affected communities in Tanna.

I would like to acknowledge and recognise government stakeholders, partners, and individuals who have worked tirelessly during the disaster response and also this pandemic.

Despite these challenges, there was considerable progress in achieving the strategic objectives of the Ministry’s 2019 - 2021 Corporate Plan, which links key Government strategies and planning priorities to operational delivery. These achievements are highlighted in this report.

The process of preparing the 2021 Annual Report allows the Ministry to reflect on the past years and plan better for the future, enabling us to improve resilience, climate change mitigation, and coordination of responses to natural disasters for the wellbeing of our nation.

Yours Sincerely,



Honourable Silas Bule (MP)

Minister

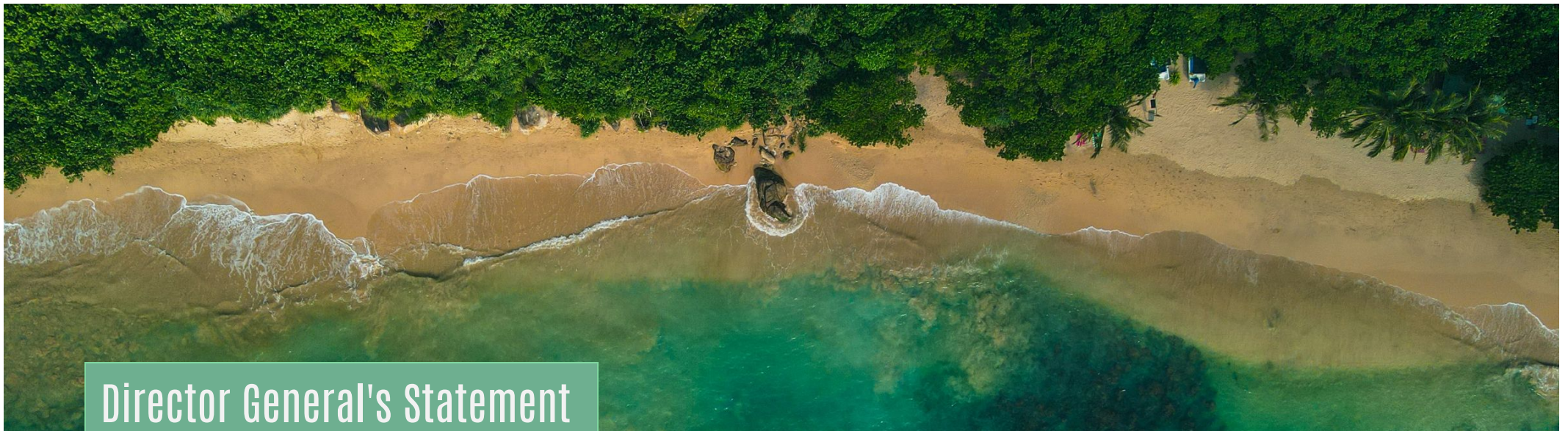
Ministry of Climate Change Adaptation



Honourable Silas Bule (MP)
Minister
Ministry of Climate Change Adaptation



the 2021 Annual Report allows the Ministry to reflect on the past years and plan better for the future, enabling us to improve resilience, climate change mitigation and coordination of responses to natural disasters for the wellbeing of our nation



Director General's Statement

Not only susceptible and vulnerable to the effects of Climate Change and natural disasters, this year 2021 continued to be challenging for the people of Vanuatu due to restrictions and the threat of COVID19 in the whole archipelago. The Ministry of Climate Change coordinated the response to COVID19 with other sectors all throughout the year under DRM Act n°23 of 2019 with successful containment of this virus.

The year 2021 also set milestones for the ministry in reviewing existing policies and legal frameworks with the development of relevant indicators targets. The Climate change and Disaster Risk Reduction policy 2022-2030 is reviewed and its implementation plan was developed. Other reporting required under the United nation framework convention on Climate Change (UNFCCC) has been completed, particularly the updated Nationally Determined Contribution (NDC), the Third National Communication (TNC), and the First Biennial Updated Report (FBUR). Numerous materials for education, outreach, and awareness have been developed by all departments and disseminated during national and international days for Meteorology, Environment, Disaster, Energy, and Climate Change.

In the effort of implementing the national Energy roadmap, the Ministry of Climate change through the Department of Energy have installed 17 community based PV solar systems, one Pico-Hydro system, through BranTV project. The National Green Energy fund powered 33 schools, 21 cooperatives, one area council and procured street lights for 3 peri-urban areas in Port Vila. The Department successfully managed the electricity concessions of Tanna and Malekula while finalising the procurement processes. Sarakata and Brenwei hydro power infrastructure upgrade formalities were also concluded. Through partnership with key partners as the Pacific Petroleum company, the 11th fuel depot has been established in the islands of Vanuatu.

Provincial disaster plans for Tafea and Penama have been launched, 24 Community Disaster and Climate Change Committee are set up in SANMA province to support the disaster risk reduction efforts in the communities. Two (2) additional community conservation areas have been established, provided enhanced training to Community in the management of the conservation areas, with massive training materials being developed for specific audiences from national to community level to cater for knowledge sharing in biodiversity, waste management, pollution control, and environmental conservation.

With the effective support of the secretariat of the National Advisory board on Climate Change and Disaster Risk Reduction, 27 sector representatives of the Government of Vanuatu participated in the annual conference of the parties (COP26), dozens of climate financing projects of several billions of vatu have been initiated and, in the pipeline, two large scale projects worth 4,5 billion vatu have been finalized and ready to be implemented. The Secretariat also facilitated Vanuatu's participation in several virtual meetings on Climate Change and Disaster Risk reduction despite the restrictions on COVID19.

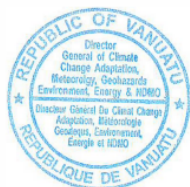
I am humbled and honoured with the achievements of the Ministry in 2021 despite the impacts of COVID19. With sincere gratitude, I wish to acknowledge the tireless efforts of all Department Directors who ensured the achievements under their respective departments. Sincere appreciation to the Corporate Services staff who worked tirelessly to support the departments under the ministry and other sectors, special thanks to all MoCC staff for their efforts, motivation, expertise, and passion in all that they have been doing in 2021 to ensure their department targets are met.



Mrs. Esline Garaebiti Bule

Director General
Ministry of Climate Change Adaptation,
Meteorology and Geo-
Hazards, Energy, Environment and National
Disaster Management

Esline Garaebiti
Director General



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CORPORATE OVERVIEW

The Corporate Services Unit aims to provide efficient and effective administration of the overall functions of the Ministry.

Overview

▶ The Corporate Services Unit is the office of the Director-General. The unit's primary responsibility is for the efficient and effective administration of the overall functions of the Ministry. The Ministry currently houses five departments namely the Vanuatu Meteorology & Geo-Hazards Department, Energy Department, Department of Environmental Protection & Conservation, Department of Climate Change, and the National Disaster Management office. The NAB Secretariat sits within the Corporate Service Unit to fulfill the NAB's objectives.



MISSION

Develop sound policies and legislative frameworks, and provide timely, reliable, scientific information for service delivery to enable resilient communities, sustainable environment, and economic development



VISION

Promote a resilient, sustainable, safe, and informed Vanuatu

GOAL

- ▶ Support an enabling framework to develop & promote good governance and resource utilisation;
- ▶ Strengthen Ministry Capacities to support strategic objectives;
- ▶ Resource the Ministry to deliver strategic objective

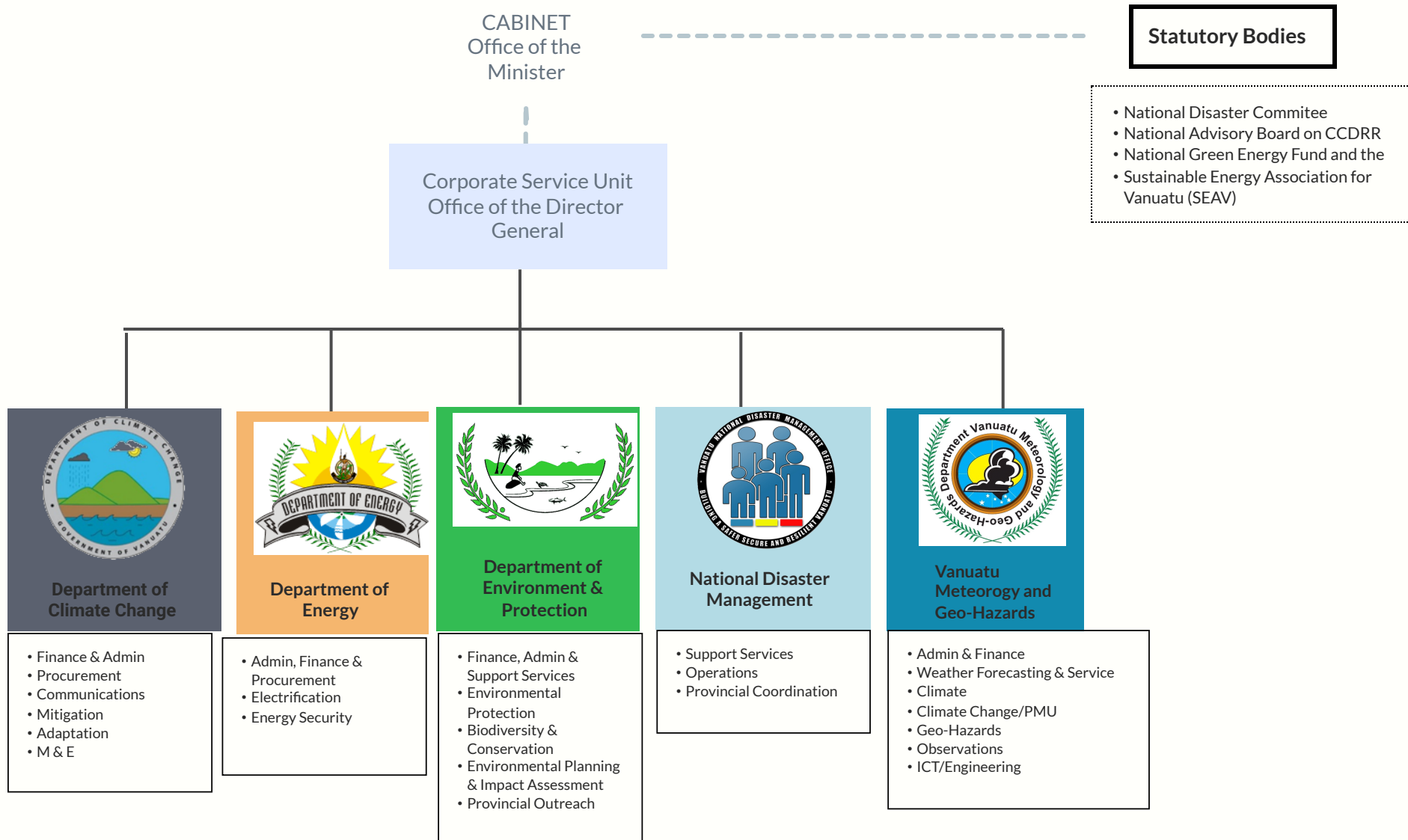


VALUES

Service delivery
High performance against priorities
TeamWork
Positive Attitude and Action
Professionalism
Ethical: Honest and Transparent
Equity: Gender, Geographic, Disability, Youth, Language, Ethnicity
Environmentally responsible
Reliability
Commitment
Accountability

1. Our Structure

The Ministry of Climate Change structure comprises five departments which is illustrated in the graph below.



PERFORMANCE AGAINST NSDP GOALS

Pillar 1: Society

| NSDP Target | Corporate Plan Activity | Department | Achievements |
|---|---|------------|---|
| Soc 1.2 Preserve and enhance cultural and traditional knowledge | Incorporate traditional knowledge and practices into MCCA ESSF Frameworks for CCDRR activities, projects/programs (as per CPEIR/Climate Finance Review) Refer ENV 3.5.2 | DoCC | This activity will be implemented in 2022 |
| | Collect, monitor, analyse and preserve traditional knowledge on weather & climate forecasting and response | VMGD | Position of traditional knowledge and Homogenisation officer filled. These positions are still under VanKIRAP contract. Traditional indicators used in seasonal forecasting are also incorporated into climate bulletins. (Incorporated into 2 issues of Tropical Cyclone Seasonal Outlook) |
| | Develop an Environment and Social Safeguards Policy Framework (ESSF) to protect traditional societal values and practices when designing and implementing project initiatives | DoE | Environment and social safeguards framework developed through GGGI project support. |
| | Implement the DEPC Environment & Social Safeguards Framework to support preservation of cultural knowledge, customary practices & resource usage | DEPC | A meeting was held in March 2021 for VKS to have an understanding of CCA registration. Two cultural sites on the current list of registered sites comprise cultural sites, old villages, and taboo sites in Tasmate CCA and Patunavanua CCA. |
| Soc 1.2 Preserve and enhance cultural and traditional knowledge | Protect traditional knowledge associated with genetic resources | DEPC | Lake Manaro area was identified as the CCA site for Ambae. |

Pillar 1: Society

| NSDP Target | Corporate Plan Activity | Department | Achievements |
|---|--|-----------------|--|
| Soc 1.3.1 Total number of sites with cultural and/or historical significance newly identified, registered and preserved | Utilise community awareness + training, EIAs and community consultation to support creation of reserves and protected areas | DEPC | 2 posters (plant and animal posters for Malekula and Ambae) developed. 161 Sites are protected, 11 formal (legally registered) 150 sites are informal (managed by local communities). 4 compliance visits by each officer in each province on the plastic ban |
| Society 1.4.1 Strengthen links | Brief Malvatumauri & Law Reform Commission on DEPC Bills | DEPC | Quotation for translating the Bill was provided to DEPC, translation has not started as SLO had advised that translation will come after draft is completed. |
| Soc 2.4 Increase higher education SMART Indicators from NSDP opportunities, including technical and vocational training | Support development of technical engagement & skills by supporting Work Placement, Open Days, Cadetships, Internships, awareness programs, TVET courses and mentoring programs | All departments | Sanma Provincial Disaster Management Office was sourced with a Human Resource surge support from Save the Children. MoCC has done career awareness around 10 secondary schools in Sanma province. Cadetship and internship program is a yearly program that is highly supported by MoCC in collaboration with VIPAM. |
| Soc 4.1 Implement gender responsive planning & budgeting processes | Ensure MCCA Plans include gender responsive planning and budgets for awareness across all Departments in all MCCA plans in line with 2017 National Gender Equality Policy | CSU | Gender-based activities were not well monitored; however, all business plans consider gender and disability when planning for activities. This is an ongoing activity for the MoCC. |
| Soc 4.1.2 Track indicators of women's empowerment by tracking gender employment | Track % of women employed across all MCCA Departments | CSU | 35% of women were employed across MCCA departments |
| | Track gender % in MCCA of posts held by women in leadership, technical & advisory positions in HRM's Report | CSU | 65% male and 35% female (3% hold leadership roles in MCCA) |
| | Identify and fund suitable leadership training to support career pathway for women in MCCA | CSU | MCCA has identified training and 54 staff in MoCCA attend first Aid training. |

Pillar 1: Society

| NSDP Target | Corporate Plan Activity | Department | Achievements |
|---|---|------------|---|
| Soc 4.1.2 Track indicators of women's empowerment by tracking gender employment | Ensure disaster and emergency preparation, preparedness, response are inclusive and gender sensitive by undertaking inclusive community engagement in disaster and emergency planning and response | NDMO | <p>During the TC Harold response and ashfall, NDMO ensures an inclusive NDMO & Clusters initiatives reported during assessments and meetings including lessons Learned.</p> <p>13 plus meetings were conducted and coordinated by NDMO as shown below;</p> <ul style="list-style-type: none"> • VIMWG (Vanuatu Information Management Working Group Meetings (3) • CECCC Sub-cluster WG meetings (6) • Inter-cluster meetings – (4) • COVID-19 Taskforce Meetings |
| Soc 4.1.2 Track indicators of women's empowerment by tracking gender employment | Mainstream Accountability to Affected Populations (AAP) & Communication with Communities (CWC) approaches for SOPs, Emergency & Disaster Plans and training | NDMO | <p>NDMO ensures clear communication through all available platforms. During this reporting period, NDMO develop IEC for IDRR Day in Santo which was displayed and shared via the NDMO Facebook page and website. A media reporting template was developed but is still to be finalized.</p> <p>In addition, 4 meetings were held at the national level which includes;</p> <ol style="list-style-type: none"> 1) COVID-19 Advisory Meetings 2) IDMCC Consultation – 3 Meetings 3) IDRR Day Meetings – 20 Meetings (August to October) 4) Planning meetings – 20 Meetings (March-November) |
| Soc 4.2 Prevent and eliminate all forms of discrimination against women, children and vulnerable groups | Ensure Gender and PLWD participation in disaster & emergency training programs, planning and reporting ie NEOC Participation, SimEx, SOPs, SitReps, Vulnerability Assessments to eliminate discrimination against vulnerable groups | NDMO | <p>Sitreps, assessments, and training conducted through clusters gather information on gender and PLWD participation in disaster and emergencies.</p> <p>All other EOCs are resourced with equipment and currently Penama PEOC resourced</p> <p>During this reporting period, 1 PIEMA Training conducted in July 2021 at NEOC with all NDMO staff (10 F/15M) in parallel with training conducted for Sanma with Sanma Provincial Disaster and Climate Change Committees in March 2021.</p> |
| Soc 4.2 Prevent and eliminate all forms of discrimination against women, children and vulnerable groups | Ensure Response Plans take gender, PLWD and vulnerable groups in consideration | NDMO | All Response plans consider gender, People Living with Disability, and vulnerable groups. |
| Soc 4.3 Empower and support people with disabilities | Review, update and implement an inclusive VMGD "Communication and Outreach Partnership Strategy" (to the last mile) for information on weather, climate and geohazards | VMGD | <p>Monthly climate products are accessible on VMGD website and monthly products are accessible on social media platforms.</p> <p>Awareness material is printed and distributed to communities.</p> <p>VMGD ensure that outlook and all other climate-relevant products onto VMGD website and other media outlet.</p> <p>Climate Information Services (Monthly Climate Outlooks, brochures) are available in Community Climate Centers in South Santo, Luganville, and Sola.</p> |

Pillar 1: Society

| NSDP Target | Corporate Plan Activity | Department | Achievements |
|---|--|---------------------|---|
| Soc 4.3 Empower and support people with disabilities | Review, update and implement an inclusive VMGD “Communication and Outreach Partnership Strategy” (to the last mile) for information on weather, climate and geohazards | VMGD | Short to medium range weather forecast products such as 7-Day weather forecast, 3-Day Radio/Public weather forecast, and 3-Day Marine weather forecast including Tropical Cyclone warnings and Tsunami Advisories during cyclone and tsunami events are accessible to all through VMGD’s website (https://www.vmgd.gov.vu) |
| Soc 4.5.1 Ensure all people, including people with disabilities, have access to government services, building & public spaces | Operationalise MCCA’s Inclusivity Policy | CSU | MoCC implemented the Gender and Inclusive Policy through the CCDRR Policy. A specific policy strategic area is allocated for gender and social inclusion under the CCDRR policy and its implementation plan. |
| | Include Ramps in MCCA building designs/plans | CSU | MoCC have pathways around the building that is accessible to people living with disability. The new building designs will also consider ramps |
| Soc 6.1.2 Track annual number of public officials receiving relevant qualifications through VIPAM and other government, TVET, tertiary and other educational programs | Track annually # of MCCA Officers receiving qualifications, across all Departments, undergoing training as per MCCA HR Strategy, Retirement & Succession Planning | CSU | A total of 61 staff receive qualifications across departments. 54 attend training, 4 staff are still in progress of studying and 3 staff completed and graduated from their study. |
| Soc 6.4 Strengthen national institutions to ensure cost effective and well-resourced delivery of public services | Strengthen MCCA planning, reporting, resourcing (staff & infrastructure) and financial management capacity to meet Business Plan targets (Ministry & Departmental) and improve service delivery, especially in the provinces | CSU | Departments organize planning retreats to review plans and reflect on their work. Ministry Retreated conducted from 23-26 Nov 2021 at Golf Club Mele |
| | 70% of Business Plan KPIs are met annually | CSU/All departments | 100% achieved (2021 Business Plans Submitted to PSC early 2022) |
| | Undertake restructure of VMGD to improve service delivery | VMGD | World Bank support through a consultancy firm- GAP analysis and review report on the implementation of Corporate Plan Reviewed structure and JD to be presented to VMGD management. Rainfall Network Collector has recruited PSC short contracts. Weather Forecasting & Services Division (WFSO) has finally had all its vacant positions filled as per the current (2014) approved structure. |
| | Undertake a restructure of DoE to improve service delivery, especially in provinces | DoE | DOE has identified the gaps in capacity needs in its institution to amend its structure. DOE structure was approved in 2021. |
| Soc 6.5.1 Track changes in annual budget going to Province, Municipalities | Track proportion of MCCA spending expensed in provincial initiatives (projects, emergency response infrastructure & staffing | CSU | See financial report on page 40 of this report |

Pillar 1: Society

| NSDP Target | Corporate Plan Activity | Department | Achievements |
|--|--|------------|--|
| Soc 6.8 Coordinate donor resources to align with national objectives | Support harmonisation, utilisation and reporting for donor funding through effective management and reporting, especially CC funds, supported through a well-staffed NAB Secretariat, proactive NAB working groups, the NAB online portal and other mechanisms | CSU/DoCC | <p>MCCA has completed an Inception workshop for the review of the Climate Finance Road Map (CFRM), a work plan has been developed by the CFWG, consultations started, but did not completed as finding a consultant to complete the review assignment was not done last year. Part of this activity will be done in 2022</p> <p>4 NAB Sec staffed with government core funding</p> |
| | Ensure attendance at critical meetings with funds budgeted, attendees selected on merit and Minutes and/or Return from Mission Reports and acquittals completed, especially for international CC & DRR meetings | CSU | <p>More than 6 negotiation training workshops were carried out. The report can be obtained from the NAB Sec</p> <p>Vanuatu attended COP26 via a virtual platform and did not attend Physically except for 3 overseas-based delegations who attended physically. A total of 27 national delegates attended COP26 at the Grand Hotel. The final report can be obtained from the NAB Sec.</p> <p>4 submissions were submitted to the UNFCCC Sec in 2021 on Article 6, Carbon Markets, Loss and Damage, and uploaded onto the submissions Portal</p> |
| | Fast track accreditation to climate and disaster funds as per CPEIR, Climate Finance Review recommendations & Climate Finance Roadmap activities (refer NSDP 3.5.2) to align donor investments to national priorities | CSU | <p>The GCF Country Program was finalized and submitted in early 2021. The review was not started in 2021, but its proposal for readiness with GCF will happen in 2022. With the support of GGGI, the NDA has formally submitted a nomination for the MFEM to be Vanuatu's National Implementing Entity (NIE) to be GCF's accredited. This nomination was done in November 2021.</p> |
| | Utilise NAB Secretariat and NAB Working Groups support to meet accreditation requirements for at least one multilateral climate fund by 2030 | CSU | <p>The Climate Finance working group works to support the implementation of the accreditation. Still progress towards the direct fund.</p> <p>Two workshops – 1 national and 1 regional were organized and co-facilitated by NAB CFWG in 2021. Both workshops are on Private Business and Government dialogue on accessing Climate financing.</p> |
| | Progress permanent staffing of NAB Secretariat and DoCC to provide capacity to implement CPEIR, Climate Finance Review, Climate Finance Roadmap and NIE activities | CSU | <p>NAB and DoCC staff recruited to provide capacity to implement CPEIR, Climate Finance Review, Climate Finance Roadmap, and NIE activities</p> |
| | Track # of plans and reports produced within MCCA which include the mainstreaming of CCDRR issues into planning and reporting | DoCC | <p>Annual Business Plans, NPPs (3 reports), Monthly (12 reports), Quarterly Reports (4 reports), SMR (2 reports), AR (1), Projects Reports (4), COMs Newsletter (2), NDC reports to UNFCCC (2), Back-to Office Reports(depending on # of outreach and duty travels)</p> |

Pillar 1: Society

| NSDP Target | Corporate Plan Activity | Department | Achievements |
|--|--|------------|---|
| Soc 6.8 Coordinate donor resources to align with national objectives | Utilise CPEIR/Climate Finance Review and Climate Finance Roadmap frameworks to progress Vanuatu's NIE status to secure direct access to CC funding | DoCC | DoCC as a member of the CFWG contributes to the review of the CFRM and the progress of Vanuatu NIE to access CC funding |
| Soc 6.9 Strengthen research, data and statistics for accountability & evidence based decision making | Improve M&E capacity of MCCA | CSU | Full-time senior Monitoring and evaluation officer was recruited in September 2021 and the M&E network has been established |
| | Progress a restructure of VMGD to include a Research Unit | CSU | VMGD restructure |

Pillar 1: Society

Pillar 2: Environment

| NSDP Target | Corporate Plan Activity | Department | Achievements |
|---|---|------------|---|
| Env 2.1 Increase access to knowledge, expertise and technology to enact our blue green growth strategies Env 2.1.1 Proportion of “blue-green growth friendly” national policies developed & implemented | Increase access to knowledge, expertise and technology to enact our sustainable “blue green growth” strategies | DEPC | This activity was not reported |
| Env 2.2.1 Number of development projects complying with EIA requirements | Ensure new development projects comply with EIA process | DEPC | 95 development projects complied with EPC Act and EIA regulations. 2nd phase of Sarakata Hydro and Tanna Banyan Resort. 5 joint site assessments and reports submitted |
| | Ensure compliance with existing EIA approvals | DEPC | Stop work notices and penalty notices were issued and 3 penalty notices were given to Podium, Asco Motors, and Esqual Limited. |
| Env 2.2.2 Number of environmental guidelines developed | Develop environmental guidelines to ensure new infrastructure causes minimal disturbance to natural land & marine environments under relevant Acts ie EPC, Pollution Control, Ozone Applications utilise DEPC’s approved forms | DPEC | Work was progressed on these KPIs, which will be finalized in 2022 for the director’s approval before using them. EIA registered consultant guideline was reviewed on 15 December 2022. Work will progress in 2022 for finalization. EIA review template is in progress and will be finalized in 2022. GIZ ABS Initiatives provided funding for the amendment. Advertisement for consultant went out twice. December 10th, 2021, a national consultant has been identified to undertake the amendment in Q1-Q2 2022. |
| Env 2.3 Promote renewable sources of energy and promote efficient energy use Env 2.3.1 Proportion of imported lighting & refrigeration appliances meeting high energy efficiency standards (NSDP Target 14% by 2030) | Strengthen implementation of regulation of imported electrical appliances meeting high energy efficiency standards as per legislation | DoE | Adoption of standards is still in the process which has delayed procurement of these standards by the DoE. A total of 362 Appliances were registered and 52 certificates were issued. |
| | Support DoE to promote renewable energy use through advocacy, awareness, training, developing policy and legislation for dealing with energy waste and EIA | DEPC | Drafting Instructions have been officially sent to State Law Office (SLO) in Q4 2021. The drafting instructions submitted under the Waste Management Act No.24 of 2014 include specific provisions for Development of the Renewable Energy (Solar) Battery Regulation |

| NSDP Target | Corporate Plan Activity | Department | Achievements |
|---|---|------------|---|
| Env 2.3.2 Proportion of households using renewable energy technology as main source of lighting | Increase use of renewable energy sources | DoE | <p>A total of 365 systems were sold under the whole project to date as the vendors were not confident to advance their business plans in VREP 2 given the World Bank's lack of support to amend the project.</p> <ul style="list-style-type: none"> • Successful installation of 17 Community-Scale PV solar systems by BRANTV project. • NGEF has installed solar systems for 6 cooperatives due to the COVID19 situation affecting the importation of solar systems registered by VREP suppliers. • Successful installation and commissioning of Lolong Hybrid Hydro-Solar microgrid by BRANTV project. • Lolong Pico-Hydro System completes construction and installation. • 11 communities installed systems complete include; Liro, Paama – Nano-Grid, Lelek, Santo – PV Solar, Cole, Santo – PV solar, NTM school – Solar- water pump system, Sara, Santo - PV solar system, Banita, Tongoa – PV solar system , Marae, Emae – PV solar system, Lapi, Santo – PV solar system |
| Env 2.3.3 Percentage of grid based electricity generated from renewable sources | Improve percentage of grid based electricity generated from renewable sources through awareness and advocacy, PPPs and project funded initiatives | DoE | <p>Brochures printed and distributed with the awareness team going into the islands. (NGEF team, BRANTV Team)</p> <p>PPA negotiation fails to come to an agreement between WAKAI and UNELCO.</p> <p>NGEF awareness undertaken (March in TORBA and SANMA) open Hod Harbor school system launching.</p> <p>Install solar water pump and complete.</p> <p>Phase 2- continues – Upgrade to more sights.</p> <p>Successful completion of Phase 1 of solar water pump-GGGI partnership with the Department of Water (DoWR).</p> <p>1 training provided by KOICA for VREP and NGEF and 5 outreach conducted in the islands.</p> |
| Env 2.4.1 Number of controlled waste disposal facilities | Work with municipal & provincial governments for the development of 1 controlled waste disposal facility every 3 years | DEPC | <p>Coordination of establishment of the dumpsite in Tafea and Torba Provinces:</p> <ul style="list-style-type: none"> · Dumpsite design and waste management plan drafts received · Dumpsite establishment checklist not completed due to land ownership issues. <p>*A New Project Proposal (NPP) of approximately 18 million Vatu has been submitted to support the implementation of the National Waste Minimization Plan which includes the establishment of dumpsites in all provinces of Vanuatu – this NPP has been approved.</p> <p>*Consultations have also commenced with Sanma Province (East Santo; Hog Harbour Village), Shefa Province, Malampa Province, and Penama Province.</p> |

Pillar 2: Environment

| NSDP Target | Corporate Plan Activity | Department | Achievements |
|--|--|------------|---|
| Env 2.4.2 Reduce pollution through effective pollution control | Progress initiatives to reduce pollution by importation of cleaner fuels and public awareness campaign | DoE | Adoption of standards is still in the process which has delayed the procurement of these standards by the DoE. Commencement of Low Emission and Transport potential for Vanuatu. Clarification was given that the e-mobility project undertaken by the PCREEE will be implemented alongside the Low Emission Land Transport Sector project undertaken by the OECC, Japan. |
| Env 2.4.2 Reduce pollution through effective pollution control | Progress initiatives to reduce pollution by importation of cleaner fuels and public awareness campaign | DoE | <ul style="list-style-type: none"> • Joint development of ToR for Coconut Oil for fuel strategy with DoCC. • Inspection Guidelines for Mini Petroleum and LP Gas Cylinder for Vanuatu with SSP and Origin Energy developed and printed in brochures placed in fuel stations as well as on the DoE website. • Updates on fuel data are published through media and DoE website the and Facebook page. • Petroleum price data collected for Jan-Oct 2021 (10 months) • LP Gas price data collected for Jan-Dec 2021 (12 months) • SSP company in Vanuatu is chartering a Landing Craft, which is to be utilized for fuel distribution around Vanuatu. • 2 tanker monitoring reports for Santo and 3 tanker monitoring reports for Port Vila • 6 successful fuel quality tests in Luganville for 6 service stations and 10 fuel quality tests in Port Vila for 10 service stations |
| Env 2.4.2 Reduce pollution through effective pollution control | Progress initiatives to reduce pollution by importation of cleaner fuels and public awareness campaign | DoE | <p>Fuel depot extensions in Malakula are pending plans from SSP. The following islands have benefited from phase III of the island fuel depot projects starting last year, 2020: Vanua Lava (1), Gaua (1), Maewo (1), North Pentecost (1), Ambrym (1), South Malakula (2), Epi (1), Tongoa (1), Aneityum (1) and Erromango (1).</p> <p>Handling Storage and Transportation of DG Standards for 100% National Adoption by the VBS: AS 1940: The storage and handling of flammable and combustible liquids. AS/NZS 1596: The Storage and Handling of LP Gas. AS 1692: Requirement of tanks used to store flammable and combustible liquids. AS/NZS 2906: Approved containers for filling at the dispenser. AS 60079:10.1: Explosive atmosphere – classification of Areas. AS 4897: The design, installation, and operation of underground petroleum storage systems. AS 4977: Petroleum products – pipeline, road tanker compartment, and underground identification.</p> |

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| NSDP Target | Corporate Plan Activity | Department | Achievements |
|--|---|------------|---|
| Env 2.4.2 Reduce pollution through effective pollution control | Progress initiatives to reduce pollution by importation of cleaner fuels and public awareness campaign | DoE | <p>Undertake infrastructure and end-use equipment for fuel retail outlets in Vanua Lava, Ambae, Malakula, Tongoa, Tanna, Luganville, and Port Vila</p> <p>9 EE audits complete for public institutions.</p> <p><u>Clean up @ Pango</u></p> <ul style="list-style-type: none"> · 300 COT's collected <p><u>Malo Pass October 2021</u></p> <ul style="list-style-type: none"> · 10 km coral area reef surveyed · 10 stations surveyed <p>Only 35 COT's collected since they moved out from the conservation area to Aore. Indication showed by, the fewer damage caused to the sweet coral cover.</p> |
| Env 2.4.2 Reduce pollution through effective pollution control | Support DoE initiatives to reduce pollution by importation of cleaner fuels and public awareness campaign | DEPC | <p>Standards and orders are in draft. It will be finalized in 2022. Development of Pollution Levy regulation supported by Principal Officer. Draft Regulation has been drafted. The review will happen in Q1 2022.</p> <p>Development of Pollution Discharge Permit regulation. Minutes of first meetings produced, nation-wide Consultation report produced. Draft Pollution Discharge Permit developed (the wastewater permit regulation).</p> <p>Draft fuel quality standards developed. Minutes of 1st meeting available. Draft emission standards developed. Minutes of meeting available.</p> |
| | Support MIPU to ensure vehicle emission standards are met at annual roadworthy inspection | | |
| Env 2.4.3 Proportion of revised National Waste Management Strategy & Action Plan | Assess proportion of activities in National Waste Management Strategy & Action Plan implemented | DEPC | <p>National consultations were held in each province, starting from Sanma and ending at Tafea. Policies, strategies, and plans are in progress to finalize.</p> <p>Monitoring for all relevant Divisional legislations completed for Quarter 1 – Sanma, Malampa and Port Vila. Tanna was done in Quarter 3 during the margin of the Agriculture week:</p> <p>Compliance report for Sanma, Malampa, Port Vila, and Tanna completed</p> <p>Awareness material on licensing of plastics in butcheries:</p> <ul style="list-style-type: none"> • Completed and awaiting approval of amended regulations • Awareness of the amended classification of Private Waste Operators (PWOs): • Completed and awaiting approval of amended regulation |

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| NSDP Target | Corporate Plan Activity | Department | Achievements |
|---|---|------------|--|
| Env 2.5.1 Proportion of NEPIP targets met | Strengthen environmental institutions and governance to meet national & international obligations by meeting targets in NEPIP | DEPC | <p>Inspection and monitoring reports are done using Kobo Toolbox and directly stored at DoWR. Three NWWTF meetings held in 2021. Minutes of meetings are available.</p> <p>Wastewater regulation drafted, quarterly reviewed by key stakeholders, and finalized.</p> <p>Attendance to NWWTF quarterly meetings. 3 meetings were held. Minutes of meetings available.</p> |
| Env 2.5.2 Proportion of environmental obligations within international Conventions & Treaties met | Strengthen environmental institutions and governance to improve compliance to environmental obligations specified by International Conventions & Treaties to which Vanuatu is a signatory | DEPC | <p>*Reporting obligations for the Basel Convention, Rotterdam Convention, Stockholm Convention, and Minamata Convention, are all met.</p> <p>*Waigani Convention (Regional) Report Review: Vanuatu's position on the organizational framework of the Convention in relation to the Basel Convention was sent to SPREP through the coordination of the STAC.</p> |
| Env 2.5.2 Proportion of environmental obligations within international Conventions & Treaties met | Strengthen environmental institutions and governance to improve compliance to environmental obligations specified by International Conventions & Treaties to which Vanuatu is a signatory | DEPC | <p>*Basel, Rotterdam, Stockholm (BRS) Secretariat briefing/preparatory session attended for the online COP segment took place on 8th – 9th June and then from 6th – 8th July.</p> <p>The online COP segment is scheduled for 26th – 30th July. Under the Stockholm Convention on Persistent Organic Pollutants, a consultant (Ms. Oreilly) is tasked to update Persistent Organic Pollutants (POPs) import data and provide a brief training on the National Implementation Plan (NIP) of POPs.</p> <p>*Vienna Convention: The Montreal Protocol implementation through the Ozone projects work program includes reporting obligations on priority thematic areas.</p> <p>*Minamata Initial Assessment (MIA) Report for Vanuatu has been approved by SPREP. The National Chemicals Profile will also compliment the MIA Report given its holistic analysis of the importation of all chemicals into Vanuatu.</p> |
| Env 2.5.2 Proportion of environmental obligations within international Conventions & Treaties met | Strengthen environmental institutions and governance to improve compliance to environmental obligations specified by International Conventions & Treaties to which Vanuatu is a signatory | DEPC | <p>Minamata Convention on Mercury Implementation of Minamata Initial Assessment (MIA) project</p> <p>i) Communications coordinated and completed</p> <p>ii) Validation of the MIA report was conducted on the 9th of November. Final comments will be added and will be ready by Q1 2022.</p> <p>iii) The international consultants (BRI) requested again if Vanuatu can be part of the research to collect samples and analyses to be done for mercury. Vanuatu responded positively, this would be conveyed to NCCC. To include VFD and Dept of Health which will happen in Q1 2022.</p> |

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| NSDP Target | Corporate Plan Activity | Department | Achievements |
|---|---|------------|---|
| Env 2.5.2 Proportion of environmental obligations within international Conventions & Treaties met | Strengthen environmental institutions and governance to improve compliance to environmental obligations specified by International Conventions & Treaties to which Vanuatu is a signatory | DEPC | <p>iv) After the National consultant incorporates comments from the validation meeting into the MIA report, the report will be sent to SPREP to SPREP to do the final review prior to submission to UNEP.</p> <p>v) All required periodic financial and progressive reports are submitted.</p> <p>vi) Minamata National report in progress for submission to Minamata Convention Secretariat.</p> <p>(I) Basel Convention on transboundary movement of hazardous wastes and the Rotterdam Convention on the prior informed consent for the importation of hazardous chemicals.</p> <p>i) Only one (1) Application process for export of used Lead Acid Batteries (uLABs) to the Republic of Korea by Recycle Corp</p> <hr/> <p>Stockholm Convention;</p> <p>i) Vanuatu prepared ToR with assistance from UNEP and a contract for the Technical Data expert in January 2021, however, due to other Pacific Island countries who did not do theirs quickly, this has been postponed.</p> <p>ii) Training conducted from Aug to the end of Sept with consultation meetings in between. Consultations are still ongoing until the report is finalized.</p> <p>The project coordinator being the Senior Chemical & Ozone Officer requested sabbatical leave to attend training and do National Report, this however was not approved.</p> <hr/> <p>The national report is slowly progressing and may be completed at the end of Mar-Apr 2022. Progress and expenditure reports were submitted on the 31st of December.</p> <hr/> <p>Ozone Project - achieved Process ODS and HFC applications, including licensing of RAC technicians. Vanuatu Electronic Single Window system for ozone goods is now operating. The project is ongoing and achieving outputs for 2021.</p> <p>Progressive and expenditure reports for Institutional Strengthening and HPMP projects. IS and HPMP narrative and expenditure reports approved and submitted.</p> |

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| NSDP Target | Corporate Plan Activity | Department | Achievements |
|---|---|------------|--|
| Env 2.5.2 Proportion of environmental obligations within international Conventions & Treaties met | Strengthen environmental institutions and governance to improve compliance to environmental obligations specified by International Conventions & Treaties to which Vanuatu is a signatory | DEPC | Only expenditure reports for IS Phase VII, HPMP Stage 1, Tranch 3, and HPMP Stage 2, Tranch 1 were requested. All three reports have been prepared, signed, and sent to UNEP as of the week of the 13th of December. All communications regarding fees to the chemical-related Conventions are forwarded to the MCCA Finance Manager's commitments |
| Env 2.6.1 Proportion of funding requested by DEPC in support of sustainable development approved through NPP/percentage of government expenditure for environmental | Track and report approval of NPP funding | DEPC | 3 NPPs were developed: NPP on Implementation of the Waste Minimization Plan, NPP on the Implementation of the National Wastewater Taskforce, and NPP on the response funding for Disaster Waste Management in Vanuatu. 2 NPPs out of the 3 were approved. |
| Env 2.6.2 Ensure adequate financial resources to support sustainable development aspirations | Progress establishment of an operational Environmental Trust Fund through MFEM and PMO | DEPC | This was progressed through a formal letter signed by DG MOCC to DG MFEM but received no favorable response from DOFT for the requested meeting despite 2 follow-up emails. |
| Env 3.1 Institutionalise climate SMART Indicators from NSDP change & DR governance and build institutional capacity & awareness | Support stakeholders and Ministries to develop and mainstream CC & DRM interventions, policies, budgets and legislation | CSU | This activity has not been undertaken because the Senior Compliance Officer has not been recruited. |
| | Strengthen CSU and NAB advocacy role to promote & institutionalise Climate Change and disaster risk governance by building stakeholder agencies' institutional capacity & awareness | CSU | 13 agendas and minutes recorded that NAB and CSU staff participated- due to other commitments, some CSU staff meetings have not been held. |
| Env 3.1 Institutionalise climate SMART Indicators from NSDP change & DR governance and build institutional capacity & awareness | Support the improving the proportion of GoV Ministries mainstreaming policies, budgets, legislation for CC & DRM | DoCC | Five government sectors have been working more often in implementing DOCC Activities. the department of climate change has been very supportive through sectorial support through outreach awareness programs [1], training & workshops on their skills and experience in mainstreaming climate change in addressing local context approaches to tackle cross paths impacts. |
| Env 3.1.2 Institutional strengthening of NAB, Department of Climate Change and other MoCCA Departments | Strengthen capacity of NAB, Department of Climate Change & other related MCCA Departments through GoV funding for core NAB & DCC positions | CSU | 173 staff under on GoV funding and 120 currently are permanent and 6 are on contract and 47 are on daily rated. |
| | Strengthen MCCAs pivotal role in coordinating, mainstreaming, managing and reporting on CCDRR issues and funding opportunities through a strengthened NAB and NAB Secretariat | CSU | 80% DoCC staffed by GoV core funds • 90% NAB Secretariat staffed by GoV funding 19 members of NAB including 2 of the members that are observers, one as a private sector rep, and one as the NGO rep involved in NAB events. |

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| NSDP Target | Corporate Plan Activity | Department | Achievements |
|--|---|------------|---|
| Env 3.1.2 Institutional strengthening of NAB, Department of Climate Change and other MoCCA Departments | Strengthen MCCAs pivotal role in coordinating, mainstreaming, managing and reporting on CCDRR issues and funding opportunities through a strengthened NAB and NAB Secretariat | CSU | NAB Meetings in 2021 were held every two months total of 6 meetings and two urgent meetings so 8 NAB meetings with standard process agenda and process were held in 2021 The two last positions (Policy Planning Officer & Information Management Systems Officer) on the NAB Sec structure were recruited and funded by the Vanuatu Government. This completed the said structure. |
| | DoCC core staff vacancies are filled and salary secured on GoV payroll | DoCC | Most of the positions in the DoCC structure have been recruited. However, three of the officers have decided to find opportunities. DoCC has worked with HR team to progress further to replace the positions. |
| | Secure TA and contract positions to strengthen DoCC | DoCC | Common Wealth support fund a TA for a period of one year to support NAB and DoCC. |
| Env 3.1.2 Institutional strengthening of NAB, Department of Climate Change and other MoCCA Departments | NAB Secretariat staffed (Refer 3.1.2) and NAB mandating awareness and outreach programs | CSU | Printings were done for the following: National Determine Contribution, Third National Contribution, First Biennial Update Report (FBUR), UNFCCC Guide book, National Designated Authority (NDA) Handbook, Negotiations Training Presentations, Country Program, Venue Banners x 2, Pull up banners x 6 Furthermore, 3 full pages in the Daily Post on COP26, more than 6 news articles uploaded on the Portal, 2 awareness – Aniwa and Tanna Islands and more than 6 workshop attended with NAB presentations |
| | Monitor line Ministries CC DRM activities and legislation to support and advocate alignment of sector stakeholders' programs to CC/DRR policy and legislation | CSU | Through NAB sec policy and planning officer have been recruited and have developed a TOR for the new CPCWG finalized and endorsed by NAB in Dec 2021. |
| Env 3.1.2 Institutional strengthening of NAB, Department of Climate Change and other MoCCA Departments | Support non-government sector stakeholders to have formal arrangements with GoV | CSU | Three weeks initial NAB consultation meeting with 10 stakeholders that include Further arts, CARE International, Vanuatu Society for People with Disability, Vanuatu Skills for Partnership, Oxfam International, Wan Smol Bag, Action Aid, Live & Learn and Save the Children. This meeting have helped stakeholders to increase their understanding on the purpose of the National Advisory board of Climate Change with its functions specifically the project screening stages. |
| | Mainstream Climate Change and Disaster Risk Management strategies into sectoral policies and plans | DoCC | Although there is a need to ensure a more uniform understanding of gender and social inclusion (GSI) across all stakeholders, there has been progress, despite the pandemic context, where many of the activities and cross-sectorial meeting and integration of CCDRR was put on hold. DoCC work with DLA to implement a part of the decentralization policies of mobilizing communities through community awareness and strengthening networks in collaboration with climate change activities through adaptation and mitigation measures (Information sharing) IEC materials and also involved them in projects where they can support in identifying vulnerable priorities their facing. |

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| NSDP Target | Corporate Plan Activity | Department | Achievements |
|--|---|------------|---|
| Env 3.2.1 Improve monitoring and early warning systems | Establish, maintain + improve monitoring and early warning systems through installation of multihazard warning systems with maintenance plans in place | VMGD | Procurement of 8 Automatic Rain Gauges (ARG), 8 Automatic Weather Stations (AWS), 2 River Gauges 50 Manual Rain Gauges - 25 Manual Rain Gauges installed. Through VCAPI project (2016) under the Early Warning System component the MeteoFactory International (MFI) was purchased from Meteo France and installed within WFSD as a multi-hazards forecasting and dissemination platform including day-to-day weather services, severe weather, tropical cyclone warnings and tsunamis warnings. |
| | Support early warning training & awareness through regular up date of SOPs drills, SimEx by working with partner agency VMGD | NDMO | NDMO work in collaboration with VMGD as a partner agency to support early warning training and awareness. NDMO also coordinate 2 national Tsunami Drills and another simulation exercise at the national and provincial level. On the 8 th of March 2021, NDMO and VMGD meet to discuss strengthening SOP and managing early warning systems. |
| Env 3.2.2 Proportion of population with access to early warning technology | Expand annually the proportion of pop | DoCC | 2021 Business Plan sets an annual target which was reported in six-monthly and annual report |
| Env 3.2.3 Increase knowledge and scientific research in atmospheric and earth sciences | Undertake a restructure of VMGD establishing a Research Division | DoCC | A research officer has been added to the new restructure whom will work closely with VMGD on scientific aspects of climate to tangible world of actions to be undertaken by mitigation and adaptation. It will also booster most of the research development based on sciences and traditional knowledge. |
| | Improve number of research papers and research proposals in atmospheric or earth sciences supervised or in collaboration with VMGD | | |
| Env 3.3 Strengthen post disaster in planning, preparedness, response & recovery Env 3.3.2 Percentage of climate change & disaster affected communities with durable solutions | Strengthen communities with durable solutions (durable = a suitable long term solution appropriate to the evacuated people ie access to health, facilities, livelihoods, schooling, infrastructure etc) | NDMO | 1 Guidelines developed: NEOC Evacuation SOP Globally and regional level, NDMO attend virtual the meetings below; 1) SREM Virtual Meetings – (10 meetings, September to November 21)- Attendees;SPRO, SPC, Director, SREM coordinators 2) PEIMA Virtual Meeting (1 meeting – November 21)- PIEMA, SPC, Other Pacific DMO's, SIMO, SDRR 3) VNSO Disaster Data Policy – 3 Meetings (April-Jul)- Attendees: SPRO, SIMO, Director, VNSO, Consultant In response to the SENDAI framework, 4 Virtual Meetings were attended– (Feb to Jul 2021) Participants: UNDRR Sendai Reporting Regional Coordinator, TA to PDO, SIMO, SDRR |
| | Ensure PDNAs are timely, appropriate and evidence based | NDMO | PDNA Reports completed |

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| NSDP Target | Corporate Plan Activity | Department | Achievements |
|---|--|------------|---|
| <p>Env 3.3 Strengthen post disaster in planning, preparedness, response & recovery</p> <p>Env 3.3.2 Percentage of climate change & disaster affected communities with durable solutions</p> | Number of support plans available to communities for coordination, planning, preparedness, response and recovery | NDMO | <p>During this reporting period, NDMO provide advice on the development of Response plans, SOPs, Cluster response plan to relevant partners</p> <p>Tafea and Penama Provincial Disaster Plans Reviewed and Launched along with Market Vendors Disaster Plan</p> <p>1 Tafea Provincial Response Plan launch in July 2021 – Area Council, Tafea PDCCC and NDMO staff participated in the launching</p> |
| Env 3.3.3 Strengthen data collection capacity for disaster and emergency | Progress preparation of a National Vulnerability Assessment with a Multi Hazard and Risk Map to improve Post Disaster Needs Assessment | NDMO | <p>With support from RedR Australia a Technical advisor was recruited to provide technical support, assisting related to Business Continuity Plan covid19, NEOC, PEOC, review of SOP, and additional taskings assigned by Managers and Director</p> |
| Env 3.3.3 Strengthen data collection capacity for disaster and emergency | Strengthen CCCDRR Committees and Provincial Offices | NDMO | <p>1 Million Funds have been allocated per province, facilitated by the Finance Team, and also <i>job code created for each province</i></p> <ul style="list-style-type: none"> • Torba Province: 1707 • Sanma Province: 1706 • Penama Province: 1704 • Malampa Province: 1705 • Shefa Province: 1702 • Tafea : Province: 1703 <p>Furthermore, NDMO with support from partner agencies set up and strengthen PDCCC (Provincial Disaster and Climate Change Committee at Penama and Shefa and also develop the two provincial disaster management plans.</p> <p>24 Community Disaster and Climate Change Committee setup in Santo and Malo (with support from Save the Children)</p> <ul style="list-style-type: none"> • Canal Fanafo (Monixil, Palon, Stonehill1, Stonehill2, Peleru, Jubilee Farm, Sorawa, Nabahuk, Fanafo1, Fanafo2, Forestry) • East Malo (Aviaboe, Ambangura, Tabunveresake, Nalivuhae vanua, Amabelau, Atnarara, Genesis, Tanmiel, Narlova) • South Malo (Atariboe, Tamasevaia) • Malo (Natamata – Melbulbul) <p>A CDCCC database was created and has all registered CDCCC's information</p> |

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| NSDP Target | Corporate Plan Activity | Department | Achievements |
|---|---|------------|---|
| Env 3.4 Promote strengthened resilience & adaptation to climate related, natural and man-made hazards | Promote strengthened resilience & adaptation to climate related, natural and man-made hazards by supporting development and use by schools & technical training institutions of climate change disaster risk reduction modules in national curriculum at all levels | DoCC | <p>This year 1 intern student left in January to study in USP (Fiji) and came back with a post-grade certificate in climate change and disaster risk reduction.</p> <p>2 officers doing an online course on Pacific climate change and DRR resilient program funded by USAID for post-grade and graduated with a Certificate. However, the graduation was postponed to April this year 2021.</p> <p>3 staff have received a certificate for attending climate change mainstreaming training workshops.</p> <p>2 Officers received certificates on NDC HUB, Finance Officer received a certificate on Climate finance funded by JICA. Apart from that, most vocational training opportunities were delayed due to Covid19.</p> |
| | Integrate climate information services for resilient development in Agriculture, Water, Fisheries, Tourism, Infrastructure and Health. | VMGD | <ul style="list-style-type: none"> • Agro-Met Bulleting for Agriculture Sector • Climate - Fishery Bulletin for Fisheries Sector • Climate – Tourism Bulleting for Tourism Sector • Climate – Water Bulleting for Water Sector <p>Through VCAPII a backup center will be established in Santo by 2023 in order for VMGD to decentralize its services including tropical cyclone warning, aviation services, climate services, weather observation and ICT/Engineering.</p> <p>Also through VCAPII, WFSD is working with TV and other media partners to purchase and install the equipment and facilities for WFSD to be able to provide weather TV presentations programs once completed in 2023.</p> |
| Env 3.4.2 Number of communication and partnership activities and awareness programs established targeting issues such as climate change adaptation & resilience | Establish & implement communication & partnership strategies targeting issues such as climate change adaptation, mitigation, resilience and risk reduction | DoCC | <p>DoCC developed partnerships and engagements through climate adaptation information mandated by DOCC. The extended responsibilities were also part of the adaptation of technical working groups and especially NABs coordination supports.</p> <p>Vanuatu has officially submitted its Updated Nationally Determined Contribution to the UNFCCC this year, maintaining its climate commitment to the Paris Agreement for parties to communicate their NDCs by 2022. The director of DOCC is the national focal point for National Determined Contributions[1] (NDC) with support from the Mitigation officer.</p> |
| Env 3.5 Access available financing for climate change adaptation and disaster risk management | Strengthen relationships with national, regional and international partners to secure funds | CSU | <p>Multi-sector projects approved by GCF</p> <p>More than 10 documents and awareness materials on CC Projects, topics including CF are uploaded onto the NAB Portal including 20+ projects documents uploaded onto the Portal in 2021. This is an ongoing activity.</p> |
| Env 3.5.1 Proportion of annual spending on climate change adaptation and disaster risk management funded with direct access budget support from donor partners to GoV | Tracking & reporting of proportion CCA & DRM financing and spending funded by donors to GoV agencies by liaising with MFEM & DSPPAC to track fund flows of CCA and DRM donor funding | CSU | <p>See Financial report on page 40 and 41 of this report</p> |

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| NSDP Target | Corporate Plan Activity | Department | Achievements |
|---|--|------------|---|
| Env 3.5.1 Proportion of annual spending on climate change adaptation and disaster risk management funded with direct access budget support from donor partners to GoV | Strengthen support & participation from national and multi sector agencies for NAB related activities, e.g. the Climate Finance Working Group and UNFCCC Taskforce to support financing | CSU | This was done through the work of the Readiness Project by GGGI – a TA was placed with the NAB Sec to implement this activity. The first phase of the project was completed in Dec 2021, which supported key Ministries such as MoCC, MFEM, and DSPPAC with workshops and training on GCF processes and requirements. |
| Env 3.5.2 Number of climate and disaster finance funds to which Vanuatu is formally accredited | Support and strengthen institutional frameworks ie NAB and Climate Finance Working Group to implement CPEIR, Climate Finance Review and Roadmap to achieve direct access accreditation | CSU | This was not done last year due to time before the end of the year as our new NAB PPO was just recruited around October and concentrated on reviewing the Policy before the end of the year, so we move that activity to 2022. NAB Sec on behalf of MOCC and the Government had contributed to the review of the FRDP – Framework...by PIF upon their request to PIF Members for comments via email. With the support of GGGI, the NDA has formally submitted a nomination for the MFEM to be Vanuatu's National Implementing Entity (NIE) to be GCF's accredited |
| Env 3.5.3 Amount of climate and disaster finance for community programs and activities through external support | Climate Finance Working Group to progress Climate Finance Tracking Tool to enable MFEM and DSPPAC to track funding stream target groups and activities to utilise climate and disaster finance from donors and CC facilities for community programs and activities | CSU | The CFRM was updated and utilized by the climate finance working group |
| Env 4.2 Protect vulnerable forests, watersheds, catchments & freshwater resources, including community water sources | Cross sectoral project activities undertaken by the Department of Lands, Department of Water Resources and MALFFB are supported by DEPC as needed | DEPC | Rounding up our efforts to restore Tagabe Watershed Catchment, The IWR2R Project Vanuatu today initiated a tree-planting of more than 200 plants at Matnakara water zone 1. For the benefit of water supply users; we need to protect, restore and conserve to improve the quality and quantity of Port Vila's only water source At least 3 awareness Vanuatu IW R2R projects were conducted in collaboration with stakeholders. Photos you may retrieve from Rolenas who is the immediate supervisor for the project. 2 monitoring and compliance activities occurred in 2021. Both are captured in DEPC and DoWR compliance reports which have regulatory mandates with regard to developments occurring within a water catchment area. |
| Env 4.6 Support programs to reduce deforestation and support rehabilitation and reforestation | Support Department of Forestry through EIA, biodiversity initiatives and awareness | DEPC | 1 Ha of degraded 'Big Leaf Rope' site was rehabilitated using the agroforestry program at Nusumetu. Links to report. Vatthe CCA consultation undertaken, program will commence on the 4th Quarter for 2021 (Program lead by Principle B& C and Sanma Officer) Area has been mapped out for Vatthe CCA to control Bigleaf. Loru CCA consultation undertaken, the program commenced on the 4th Quarter for 2021 (Program lead by Principal B& C and Sanma Officer) Area has been Mapped out in Loru to map out Big Leaf Vine. |

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| NSDP Target | Corporate Plan Activity | Department | Achievements |
|--|--|------------|---|
| Env 4.7.1 Total annual outreach and awareness activities undertaken in partnership with DEPC | Support local communities local authorities & schools by outreach through provincial offices | DEPC | Malampa Extension Officer recruited to support outreach programs. This will continue in 2022. |
| Env 4.7.1 Total annual outreach and awareness activities undertaken in partnership with DEPC | Total number of annual outreach and awareness activities undertaken by or in partnership with DEPC and sector stakeholders such as Forestry, Mines etc and non-government partners | DEPC | <p>Brochures and banners printed 2 posters (plant and animal posters for Malekula and Ambae) Awareness of Hazardous Chemicals</p> <ul style="list-style-type: none"> • Conducted one awareness in Santo to a stakeholder group in Q1 • Conducted awareness about mercury from October 31st – November 11th to the following schools and one women’s group; • Baldwin Lonsdale Memorial School (Arep) and - a women’s group in Sola on Vanua Lava, Torba Province • College De St Michelle, Santo East, Lycee De Luganville, St Anne, Hog Harbour School, Matevulu College on Santo, SANMA Province <p>Distributed brochures and posters to all schools above and to the women group. 2 radio programs each, at least 1 media article, or 1 short video clip for each province</p> |
| Env 5.1.1 Proportion of NBSAP and NISSAP met | Implement NBSAP | DEPC | <ul style="list-style-type: none"> • Principal Biodiversity and Conservation Officer recruited on February 4, 2021 • At least 300 posters on biodiversity and conservation were given out, we have reached 1476 people during this awareness in Torba. • Provide guidance to TEEO on Biodiversity assessments and Management plan development • 400 materials mainly posters during environment week, a number of people are not recorded for many sites. • The only site collected was at Wiawi where 12 people attended the awareness. • Undertake management training for agroforestry at Nusumetu Community Conservation Area, 21 participants and 122 seedlings growing on the plot • Review of Community Conservation Areas Management Plan with recommendations. |

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| NSDP Target | Corporate Plan Activity | Department | Achievements |
|---|---|------------|--|
| Env 5.1.2 Total number of environmental guidelines in place | Improve protection of biodiversity and ecosystems & their significant role in our culture, society and environment through development of environmental protection guidelines | DEPC | <p>Drafting Instructions have been officially sent to State Law Office (SLO) in Q4 2021. The drafting instructions submitted under the Waste Management Act No.24 of 2014 include specific provisions for:</p> <ul style="list-style-type: none"> • Development of the Diaper Ban Regulation • Development of the Renewable Energy (Solar) Battery Regulation • Development of Import permit process for plastic bags for Butcheries • Amendment to the classification and license fees of Private Waste Operators. • Amendment to plastic ban regulation to remove approval of the use of “biodegradable alternatives” of plastics given that Vanuatu does not have high technology laboratories to verify these. • Amendment to plastic ban regulation to remove approval of the use of “biodegradable alternatives” of plastics given that Vanuatu does not have high technology laboratories to verify these. <p>All these are potential sources of revenue for the Government.</p> <p>International Ozone Day and World Clean Up day were jointly commemorated with PENAMA Day on 16th September at Saralana Park. Event report with EP Division team.</p> <p>Awareness of waste literacy by LMC and WSB key persons during the nationwide consultations on relevant waste management & pollution control policy directives. Event report with EP Division team.</p> <p>Awareness during Mangaliliu Village Presbyterian Church Assembly (2 weeks), World Clean-up Day & International Ozone Day, and DJ Festival. Also during DJ Festival, Christmas in the Park, and Fes Napuan. Event reports with EP division. and conduct 3 DEPC work awareness in schools</p> |

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| NSDP Target | Corporate Plan Activity | Department | Achievements |
|---|--|------------|--|
| Env 5.2.1 Total number of registered CCA's | Increase number of new, managed Community Conservation Areas (CCAs) and Protection Areas PAs | DEPC | <p>DEPC have registered two (2) CCA's this year, Elia (Patunavanua) was registered in December 2021 and Tasmate CCA is also registered in December 2021.</p> <p>Vatthe, Penoru, Loru, Wairua, Tabwemasana, Amal-Krab Bei Tabu Eria and Edenhope CCAs.</p> <p>Malo-pass, Vunausi, Lake Letes, Nusumetu (4 sites management plans have been drafted together with partners and are now soon to be completed and submitted to PAAC for registration.</p> <p>Amal Crab bay, Penouru, Vatthe , Tabwemasana, and Eden Hopes Management plan has been reviewed this year and are yet to correspond back to the community.</p> <p>Total Percentage protected by CCA Vanuatu Total: Land Area + EEZ Area 692, 190 sq km Total area protected by CCA 807.717539 sq km Total Percentage Protected by CCA is 0.12%</p> <p>6 CCA's have gone through PAME</p> <p>Lake Letas was not possible to register due to the slow progress by the communities to provide all supporting documents needed for registration. This is quite difficult for officers to collect as this is to do with a leased land where 800ha of land is included in the current CCA boundary.</p> <p>Lolathe is not done this year as the Pathways project has been delayed and said that it will come later in the project, not this year.</p> |
| Env 5.2.2 Proportion of Community Management Committees implementing CCA management plans | Track implementation of CCA Management plans | DEPC | <p>Carried out Management effectiveness tracking tool to the current CCA's the results shows the % of their performance</p> <p>Penouru CCA – 72.5% Vatthe CCA 67.5% Loru CCA 72.5% AKTE CCA 62.5%</p> |
| | Support Community Management Committees to enforce CCA Management Plans | DEPC | Not able to deliver this activity due to lack of Funding |

Pillar 2: Environment

| NSDP Target | Corporate Plan Activity | Department | Achievements |
|---|--|------------|---|
| Env 5.3.2 Number of threatened species legally protected | Support protected species designation by ensuring that all threatened species on the IUCN Red List are protected by national legislation | DEPC | <p>Due to COVID, no export permits are requested for other species except for the Shortfin Marko Sharks caught by Taiwanese Fishing vessels. The report is due beginning of the following year.</p> <p>Information materials produced for;</p> <ul style="list-style-type: none"> · 2nd & 3rd treatment for West and N/West Ambae on the 6th of July by Ms. Bethel & Mr. Bangtor. An LFA Management training was also undertaken for West Ambae · Follow up's undertaken in' <ul style="list-style-type: none"> · Maewo_ Betarara/ Kambule_ 13 September 21 · W/Ambae_ Area Administrator was advised via email on the follow-up treatment date_ 6 October 21 <p>Train CLO officers on the Management of priority Invasive species;</p> <ul style="list-style-type: none"> · CLO at west Ambae trained on LFA treatment · Agriculture extension officer at Maewo, trained for LFA treatment · The CLO for FAO at Nusumetu was trained on the management for Big Leaf Rope and LFA • Specified species drafting instructions; This activity is partly progressed and is still ongoing. KPI is yet to achieve • Develop a national biodiversity database for all species at DEPC; Database has been developed and currently, data are being uploaded into it. • Two days of consultations and surveys on the occurrence of crocodiles. The survey outcome shows that only 1 species is found. Unfortunately, the crocodile has been killed. • Develop Specified Species Regulations progress and will be ongoing in 2022. • Delimiting survey undertaken for all Area counsel of Malekula, resulting in a “NO” sighting of Bird from all Area council 31 May- 4 June 2021 • Delimiting survey undertaken, resulting in a “NO” sighting for all Area Council 3-10th October 2021 |
| Env 5.5.1 # model schools implementing environmental programs | Support and track model schools implementing environmental programs as model schools with Environment | DEPC | <p>Only one Baiting station was set up at DEPC parking, no bird was captured, due to lack of monitoring. Competition for Indian Mynah Bird in Tanna, to end on Dec 2022</p> <p>Two (Teiruja and Port Patrick) schools are using Traditional Knowledge for Biodiversity.</p> |
| Env 5.6.1 Proportion of Government agencies using a central information sharing system for environmental data | Government agencies using a central information sharing system for environmental data | DEPC | Already being developed but still not online |

Pillar 2: Environment

Pillar 3: Economy

| NSDP Target | Corporate Plan Activity | Department | Achievements |
|---|---|------------|---|
| Eco 1.2 Improve revenue SMART Indicators from NSDP generation potential | Support improved revenue generation potential across Departments | CSU | Financial Report on page 41 of this report |
| | Improve GoV revenue generation potential through VMGD activities ie Marine & Aviation forecast fees, Met Reports for private sector, climate data, research fees and TC subscriptions | VMGD | Quality Management System (QMS) document submitted to CAAV in 2021 and in 2022 already underwent two external audit through PASO. Aiming to complete the other requirements before end of 2022. This will give power to VMGD according to its Act to strengthen revenue collection through Aviation weather services provided by VMGD for both international and domestic aviation Financial Report on page 41 of this report |
| | Develop and implement a guiding Revenue Policy for VMGD as per VMG & CC Act (Cap 25 of 2016) | VMGD | New policy guiding fee charges and compliance |
| | Improve GoV revenue generation potential through DoE activities ie Permits for Minimum Energy Performance Labelling Standards | DoE | Payout concessional Assets for Tanna and Malekula Concession with an approximate total of VT400 million. Tanna Concessional assets payment on 15 th April 2021 -VT192,891,068 Malekula Concessional assets payment on 6 th May,2021- VT201,818,377. ACSE Assets are recorded but pending transfer to the Department. -VREP assets are still in progress for transfer. |
| | Improve collection of DEPC revenue streams ie EIA fees, CITES, penalties for non compliance, research fees, waste & ozone licencing fees | DEPC | Ongoing collection of revenue through permits, licenses, and penalties for non-compliance to DEPC administered legislation and regulations. |
| Eco 2.1 Increase access to safe, reliable and affordable modern energy services for all that are increasingly generated from renewable sources and reduce reliance on imported fossil fuels | Implement NERM to achieve NSDP targets Develop an NERM Implementation Plan | DoE | DoE Business Plan includes annual NERM targets NERM Implementation Plan complete DOE continues to meet with donors and partners to implement and achieve the NERM targets for Vanuatu. 5 communities have confirmed and agreed to implement component 2 of VREP II. The communities are Taremb, Tembibi, Lamar, Peskarus, Ahkamb, Farun. Commencement of Brenwei Hydro project by NZ based company-Vortex. BRANTV NPP co-funded the Construction of the PICO Hydro in Lolong Community Pentecost. 2 local O&M training conducted in 2021. |
| Eco 2.1.1 Increase access to safe, reliable and affordable energy services for all that are increasingly generated from renewable energy resources and reduce reliance on imported fossil fuels | Track proportion of households with energy from renewable sources for lighting | DoE | 1454 household with energy from renewable sources for lighting |

| NSDP Target | Corporate Plan Activity | Department | Achievements |
|--|--|--------------------------|--|
| Eco 2.1.2 Improve number of offgrid renewable energy systems by province outside of concession Areas | Develop off grids as per NERM to supply households | DoE | ESIA and ESMP completed for the 5 communities. Draft and completed the regulatory and licensing concession agreement - completed. |
| Eco 2.4 Enact clear infrastructure governance and standards for resilient infrastructure and maintenance | Provide support and information as needed to promote resilient infrastructure standards/codes | CSU/DoE | MoCCA have provide relevant information as requested to promote resilient infrastructure standards/codes A number of consultations between DoE with stakeholders and government institutions by ESU team throughout 2021. |
| Eco 2.8 Establish effective partnerships that facilitate the development of the private sector and rural economies as service providers in the provision of transport & infrastructure | Facilitate the development of the private sector and rural communities as contractors for electricity infrastructure contracts | DoE | All contracts are up to date and renewed accordingly the CTB contracts and tender regulation. This is facilitated by the Admin and Finance Team. 33% subsidy implemented via VREP II with vendors like Etech, Savy Solar, Computer World and PCS. Commercial Bank turned down the request; not economical viable for their operations. Secured Financing Agreement with the GoV of Japan for the Phase II of the Hydro feasibility Study. |
| Eco 2.9 Increase access to and use of MCCA information and communication technologies, including online government service | Improve access to online MCCA services | CSU/DoCC DoE and DEPC | Ministry Website TOR developed & content including a website available. Website to be launch in June 2022. 1 communication guideline developed |
| | Improve access to online VMGD services ie Met services & forecasts | VMGD | An increase of VMGD online service through website, social media and offline media products |
| Eco 3.1.1 Promote growth by supporting linkages between tourism, infrastructure, agriculture and industry in rural areas to diversify the rural economy | Encourage tourism operators to utilise renewable energy | DoE | 8 ecotourism operators on renewable energy |

Pillar 3: Economy

| NSDP Target | Corporate Plan Activity | Department | Achievements |
|---|--|------------|---|
| Eco 3.3.3 Improve access to markets through quality infrastructure, utilities, storage and processing facilities in rural areas | Revise electricity legislation for mini grids/ concessions | DoE | <p>Renewable Energy generation Bill drafted and submit to COM for approval.</p> <p>The RE concept note is still in process and is shifted to be drafted in 2022</p> <p>Consultation of the draft bill for the Petroleum Products Act, undertaken by the Department of Energy (DoE) and State Law Office (SLO) over six (6) Provincial Headquarters from 14th September 2021 to 6th October 2021.</p> <p>Tender and procurement for Tanna/Malekula Concession completed. The Government through the Department of Energy is negotiating with the selected bidder on the concession deed for Tanna & Malekula.</p> |
| Eco 3.6 Improve the provision of Government services to rural areas | Enable public service delivery of climate change activities for rural projects | DoCC | <p>Three projects were delivered by DoCC in a rural area. Firstly, VCAP 1 second scope will differ from phase 1 since the funding has increased to \$12.5 million USD according to the inception workshop with the support of the United National Development Programme (UNDP) which will be funded through the Global Environment Facility (GEF) and the least developed country Fund (LDCF). Secondly, Technology Needs Assessment (TNA) Project is implemented through the Department of Climate Change, funded through GEF, the range for a 2-year period. The project funding; 14,000,000 Approx. The project is in joint with UNEP DTU partnerships. Lastly, FCPF project is a readiness program funded through the World Bank and working in coordination and managed by the department of climate change and implemented by the forestry department through the REDD+ strategic plan. The project started in 2008 as REDD+ with an amount of 3.6 million USD grand until 2018 when major components were achieved and in 2018 an additional 2.5 million USD was added to continue the activities of R-Packaging and the forest inventory.</p> |
| Eco 3.6.2 Improve the provision of GoV services to rural areas | Work with provincial and municipal governments to develop 1 controlled waste disposal facility every 3 years | DEPC | <p>*A New Project Proposal (NPP) of approximately 18 million Vatu has been submitted to support the implementation of the National Waste Minimization Plan which includes the establishment of dumpsites in all provinces of Vanuatu – this NPP has been approved.</p> <p>*Consultations have also commenced with Sanma Province (East Santo; Hog Harbour Village), Shefa Province, Malampa Province, and Penama Province.</p> |

Pillar 3: Economy

| NSDP Target | Corporate Plan Activity | Department | Achievements |
|--|---|------------|--|
| Eco 4.4 Support the improvement of sustainable tourism products & services, strengthening links to local production | Conduct training and awareness exercises following NERM on solar power eg for ecotourism | DoE | <p>MoCC Career awareness in schools around Sanma Province in February 2021.</p> <p>A first-ever and successful Energy Open Day facilitated by Fern and a task committee made up of DoE staff for the awareness and promotion of DoE core functions, activities, and its partners in the energy space on July 14th, 2021.</p> <p>Awareness of EE Act No.24 of 2016 in Tafea and Malampa in 2021 and Electrification team were part of the NGEF awareness program for Torba province in February 2021.</p> <p>BRANTV project conducted 2 awareness of RE demonstration types, during Energy Open Day on July 14th, 2021, and also during Parliament Day on November 5th, 2021.</p> <p>NGEF awareness undertaken (March in TORBA and SANMA) open Hod Harbor school system launching.</p> <p>BRANTV Conduct technical training for the local operator on the operation and maintenance of PV Solar Systems in these areas, Port Vila, Cole in Santo, Sola, Ioltong in Pentecost and Nguna</p> <p>Public awareness of enacted MEPLS Law: 9 presentations were done simultaneously with energy audits in Shefa and Santo. 13 community awareness on EEEALP Act & Regulations and 1 media awareness</p> |
| Eco 4.4.1 Proportion of registered hospitality institutions with rooms and services equipped with energy efficient lighting & appliances | Support DoE & project initiatives and training to increase proportion of registered institutions with rooms and services equipped with energy efficient lighting and appliance | DEPC | Activity not achieve and will move forward to 2022 |
| Eco 4.9.1 Strengthen government and private sector dialogue through PPPs to deliver MCCA contracts (GoV) and donor | Assist the Departments with the development of PPP initiatives Ensure that NAB includes private sector representatives (e.g. Vanuatu Business Resilience Committee) in decision-making | CSU | <p>Private sector rep as a NAB member and observer during NAB meetings.</p> <p>The private sector has started to submit a proposal for GCF private sector funds.</p> |
| | Seek PPP initiatives (where cost effective) to deliver DoCC initiatives • Seek direct access accreditation for GoV and local private sector and civil society agencies | DoCC | <p>DOCC is actively promoting local ownership and government leadership led by senior ‘champions.’</p> <p>As a result, 82 percent show that country partners owned and led Climate change (Mitigation & Adaptation) Programmed interventions.</p> <p>DOCC has fostered strong partnerships with in-country governments at both the national and sub-national levels and have invested significant effort in relationship-building to provide a strong foundation for future program implementation and involvement of local stakeholders.</p> <p>For example, in Province, in particular, the subnational government is taking strong ownership and leadership of the climate change agenda for adaptation and mitigation measures.</p> <p>All Programmed activities are delivered by government partners ‘from within’ local systems, thereby helping to create an enabling environment to deliver climate change and disaster risk reduction development as the new norm.</p> |

Pillar 3: Economy

Policy, Conventions and Frameworks

Policy Development

The review of the CCDRR and its new Implementation Plan
NAB Endorsed the Policy 2nd Edition and the Policy Implementation plan at its 6th NAB Meeting.

All Government CCDRR-related Sectors (all NAB Members sectors plus all productive sectors), CSOs, NGOs, and Private/Business Sectors are responsible for implementing each activity in the CCDRR Implementation Plan.

Portfolio and legislative frameworks

VMGD and DOCC are separate agencies under MoCC which are both legally bind by Meteorology, Geological Hazards and Climate Change Act, while also considering the establishment of Geological Hazard Department.

Acts in Force:

Environmental Management and Conservation Act [CAP 283]; Ozone Layer Protection Act No.27 of 2010; International Trade and Fauna [CAP 210]; Pollution Control Act No.10 of 2013; Waste Management Act No. 10 of 2014; Energy Efficiency of Electrical Appliances, Equipment and Lighting Products Act No.24 of 2016, National Green Energy Fund Act 2018; Electricity Supply [CAP 65] Consolidated Edition 2021; Geothermal Energy Act 6 of 1986; Disaster Risk Management Act No.23 of 2019; National Disaster Act [CAP 267]; Meteorology, Geological Hazards and Climate Change Act No. 25 of 2016; National Park Act of 1993.

Legislation in Force: Environmental

Impact Assessment Regulations Order No.175 of 2011; Waste Management Regulations Order No.15; Waste Management Regulations No.16; Waste Management Regulations No.17; Environmental Impact Assessment Regulations (Amendment) Order No.102; CITES Regulation; Ozone Layer Protection Regulation Order No.20.

Conventions

No new Conventions were reported and or rectified in the year 2021. However below are the current conventions.

- Basel Convention
- Convention on Biological Diversity
- Convention on International Trade in Endangered Species of Wild Fauna & Flora
- Kyoto Protocol
- Minamata Convention on Mercury
- Montreal Protocol
- Nagoya Protocol
- Paris Agreement
- Rotterdam Convention
- Stockholm Convention
- The Kigali Amendment (2016)
- United National Convention to Combat Desertification
- United Nations Convention on the law of the sea
- International Commission for the Convention of Atlantic Tunas
- Vienna Convention

Equity

The Ministry of Climate Change is one of the only two Ministries within the Government led by a woman Director General and a woman Director in one of its departments. This formation at the executive level sets a standard of inclusivity and a promotion of gender equity within the human resource development within the Ministry of Climate Change and the national government.

The Ministry is taking steps to incorporate inclusivity measures in its infrastructures improvements to provide disability access to its premises by placing wheel chair access steps at the entrance of the Ministry's main building. The design of the new Ministry's building also includes the inclusion of wheelchair ramps and a disability design at the car park area for people living with disability to use when entering the Ministry's premises.

Development Projects

The table below is an updated list of current projects within the departments and its stakeholders.

| Programme / Project Title | Department | Total | Source of Funding |
|--|------------|---------------|--------------------------------|
| Vanuatu Rural Electrification Project II | DoE | 1,091,166,427 | World Bank |
| Barrier Removal for Achieving the National Energy Roadmap Targets of Vanuatu | DoE | 103,426,718 | UNDP |
| Rural Electrification NAMA in Vanuatu. | DoE | 45,753,100 | Austria |
| Rural Electrification NAMA in Vanuatu. EXTENSION | DoE | 40,000,000 | Austria |
| Accelerate Solar Home and Micro-Grid Systems through Affordable Financing in Off-Grid Vanuatu. | DoE | 43,688,000 | KOICA |
| Electrification Master Plan | DoE | 37,725,000 | MFAT |
| Vanuatu Rural Electrification Project II Extension | DoE | 1,065,350,331 | Van Govt(NPP) and MFAT support |
| Implementation of the Remaining EESLI phase II activities for Vanuatu | DoE | 22,500,000 | IUCN |
| Climate Resilient Islands Program Vanuatu (CRIP). | DoCC | 133,947,531 | New Zealand |
| Adaptation to Climate Change in the Coastal Zone in Vanuatu (VCAP) Phase 2 | DoCC | 914,000,000 | GEF |
| Vanuatu REDD Plus Readiness Preparation Support Project | DoCC | 27,557,398 | World Bank |
| Techical Needs Assessment (TNA) | DoCC | 15,000,000 | GEF |
| Vanuatu Community Based Climate resilient program (VCCRP) | DoCC | 2,632,000,000 | GCF |

Development Projects Continue

| Programme / Project Title | Department | Total | Source of Funding |
|--|---------------------------------|---------------|-----------------------------|
| Integrated Sustainable Land and Coastal Management (ISLCM) Project. | DEPC | 265,105,730 | Global Environment Facility |
| Vanuatu Climate Information Services for Resilient Development | Vanuatu Meteorological Services | 279,370,182 | Green Climate Fund |
| Enhancing the capacity of issuing earthquake, tsunami, and storm surge information. | Vanuatu Meteorological Services | 43,713,027 | JICA |
| Climate and Oceans Support Program in the Pacific (COSPPac2) 2 | Vanuatu Meteorological Services | 2,158,000,000 | Australia |
| Navigating a Sea of Bias in Volcanic Gas Emissions: He Waka Eke Noa | Vanuatu Meteorological Services | 14,000,000 | Miscellaneous Contributions |
| Pacific Region- Vanuatu Disaster Resilient in Pacific SIDS- Strengthened Early Warning and Climate Monitoring Capacity in Vanuatu | Vanuatu Meteorological Services | 59,161,985 | UNDP |
| Preparation of Vanuatu's Sixth (6th) national report to the United Nations Convention on Biological Diversity (UNCBD). | DEPC | 12,200,000 | GEF/FAO |
| Strengthening the National Institutional capacity for chemicals and waste in Vanuatu | DEPC | 121,044,000 | UNEP |
| Integrated Sustainable Land and Coastal Management (ISLCM) Project. | DEPC | 265,105,730 | Global Environment Facility |
| PacWastePlus Project | DEPC | 35,200,000 | EU - SPREP |
| TC Harold- Detailed Ecosystem Assessments and Biodiversity Conservation Implementation Program for Community Conservation Areas (CCAs) affected by Tropical Cyclone Harold | DEPC | 99,000,000 | Recovery |

Risk & Challenges

As mentioned above, MoCC has been planned to deliver the activity as planned in the corporate as part of achieving the NSDP, a fabulous outcome offering a pathway towards achieving the 2030 people's plan. It was planned that the 2021 business plan would work to achieve its expected outcome as a Ministry. However, a number of events in 2021 have significantly delayed this plan. This has been communicated with the head of the agency and an amended work plan and budget for 2022 were approved in March 2022 to carry out the activities. These events are:

Mt Yasur Volcanic Ash Fall Response: Since October 2021 Mt Yasur Volcano has been emitting volcanic ash to surrounding communities including three secondary schools. The provincial government responded by registering affected communities and distributing food assistance throughout October to November. This has occupied national, provincial government staff, staff and students of the affected schools.

Covid-19 global pandemic: Due to the COVID-19 global pandemic, the Government of Vanuatu issued situation report #33 starting in March 2021 and continuing throughout the reporting period which initially included travel restrictions, curfews, school closures, and social distancing measures. MoCC quickly adapted their working approach including working from home and utilizing video conferencing and emails until some restrictions were eased.

As per the COVID-19 Health Sector Preparedness and Response Plan (available at www.covid19.gov.vu/index.php/know-do/vangov-plan), In response, the Ministry of Health informed the Vanuatu National Disaster Management Office of the two confirmed cases on 06 March 2021. The following actions has been undertaken by the Ministry of Health which include: 1. Preparation of Vila Central Hospital (VCH) isolation ward and staffing. 2. Transfer of the cases from quarantine to VCH following all established protocols (including proper infection prevention and control procedures). 3. Contact tracing, quarantine and testing of close contacts. 4. Testing of border and quarantine staff who are considered casual contacts. 5. Increase risk communication about the situation, and transmission and prevention measures. 6. Increased community engagement for preparedness and response activities. 7. Inform relevant PNG authorities of imported cases under the International Health Regulations (2015).

However, the COVID-19 restrictions resulted in delays to the service delivery as planned for in the business plan and subsequent delay in project implementation.

Tropical Cyclone: At the same time as the pandemic crisis, Vanuatu has also faced four (4) different cyclone named Bina, Lucas, Niran and Ruby, These Cyclones has intensified to a category one whereas Niran was recorded as a category five cyclone as makes its way to New Caledonia.

Vanuatu COP26 meeting Virtually: The COP26 meeting was planned to be held in Glasgow, however, due to COVID-19, the Government of Vanuatu through the Ministry of Climate Change has organized and hosted the participation of the Vanuatu delegation to the COP26 meeting held virtually from the 1st to 12th November 2021 at the Grand Hotel in Port Vila. The purpose of hosting such a national event is to engage delegates and raise their understanding of this global event at a national level.

Despite the challenges, these events have presented an opportunity for MoCC to deepen relationships with key partners and stakeholders in the country including the Provincial government, Private sector, and communities. For example, MoCC has made more awareness in communities and hosted international events with support from NGO partners at the provincial and area council level. It has also been an opportunity to engage with Donors and Accredited Entity partners, for example, the NAB secretariat has conducted outreach to all its members to discuss and share the functions of the NAB, the gaps, and needs.

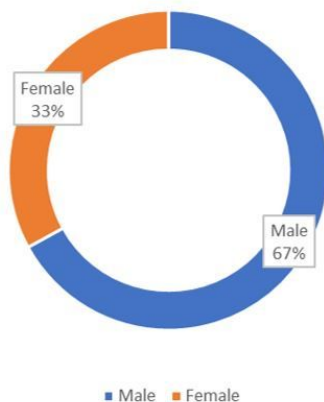


Human Resource

The Ministry of Climate Change is made up of five key Departments, namely the Vanuatu Meteorology and Geohazards Department (VMGD), The Department of Environmental Protection and Conservation (DEPC), Department of Energy (DoE), The Department of Climate Change (DoCC), the National Disaster Management Office (NDMO) and the Corporate Services Unit (CSU). The following graphs provide statistical information as updated during the reporting period. The graphs below will also detail information such as the total number of employees in the ministry; geographic distribution of officers throughout provinces; Cessation of Employment in the period: Retirements, Redundancies & Terminations; compliance Report (Discipline cases); Leave Accrual Analysis; the total number of employees on Scholarships; Training being undertaken by staff of the ministry; Analysis of initiatives undertaken to improve equity and inclusivity. Updated information can be obtained from the Human Resource Manager of the Corporate Services Unit (CSU) of the Ministry at a later stage if needed.

Figure 1 Pie Chart 1: Percentage of sex by staffs

Distribution of MoCC staffs by sex



Source: MoCC CSU, 2021

Table 1: Leave Accrual Analysis

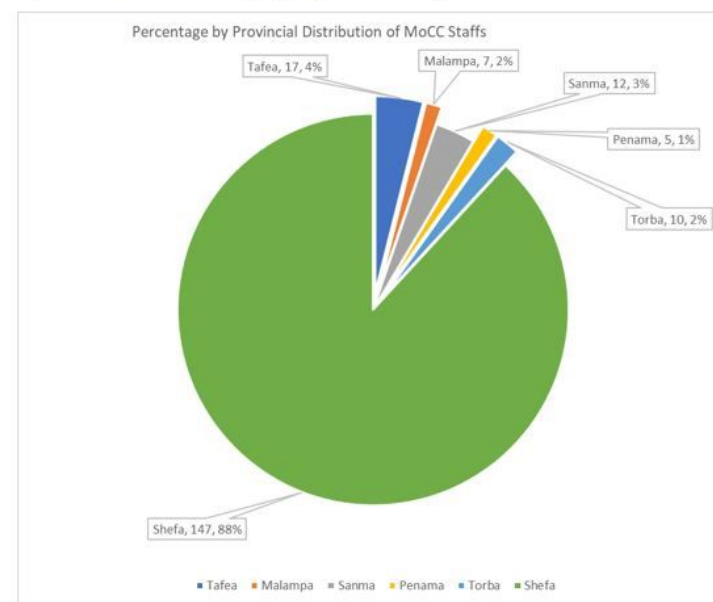
| Leave Accumulation Type | % of Workforce |
|---|----------------|
| Current MCCA Staff with 10 days and below accumulated leave | 21 = 17.6% |
| Current MCCA Staff with 10 days and over accumulated leave | 27 = 22.6% |
| Current MCCA Staff with 20 days and over accumulated leave | 17 = 14% |
| Current MCCA Staff with 30 days and over accumulated leave | 14 = 11.9% |
| Current MCCA Staff with 40 days and over accumulated leave | 36 = 30% |
| Current MCCA Staff with 50 days and over accumulated leave | 2 = 1.6% |
| Current MCCA Staff with 60 days and over accumulated leave | 2 = 1.6% |
| Total 119 staffs | |

Information on Compliance Report (Discipline Cases): There were a total of 4 staff who face serious disciplinary actions and were suspended on half-pay following the Public service Commission disciplinary Process. The Commission has reinstated 3 officers and one officer has been terminated.

Scholarship Information: All departments require capacity-building programs, though some that operate in specialized technical areas require it more than others.

Training is either facilitated by VIPAM or through projects that have capacity-building components. The general training cover areas of Management, Leadership, and First Aid. Each department also encourages further staff studies; below are details of staff of the ministry that are currently on scholarship. Five (5) staff are currently on scholarship and the area of their study include Bachelors in Environmental Science, Bachelors in Earth Atmospheric Science, Masters in Science, Masters training in Climate Science, and Bachelor of Management and Public Administration.

Figure 2 Pie Chart 2: Percentage of Staff distribution by Province



Source: MoCC CSU, 2021

The Ministry has taken initiatives to improve equity and inclusivity for all through, organizing training venues in a venue that is accessible for PWLD. Training related to policy and procedures was welcome to all staff. For example, during this reporting period, the ministry has arranged with VIPAM to conduct training on staff professional development which allow all staff to participate in the training. This training has supported staff to become better at their jobs and overcome performance gaps that are based on a lack of knowledge or skills. And also help departments and teams be more productive and obtain improved business plan outcomes, leading to achieving the NSDP.



Financial Statement

STATEMENT OF REPRESENTATION

FINANCIAL STATEMENTS FOR THE YEAR ENDED 2021

STATEMENT OF REPRESENTATION FOR *Ministry of Climate Change & Adaptation*

We have reviewed the Statement of Financial Performance and the Statement of Appropriations for my Ministry for the year ended 31st December 2021 and provided the required schedules as outlined in Financial Circular 7 of 2009. We verify that:

1. The Statement of Financial Performance and Statement of Appropriations fairly reflect the *Ministry of Climate Change & Adaptation* financial activities for the period 1st January – 31st December 2021;
2. All LPOs were verified as being valid as at 31st December 2021 and any duplicate, invalid or erroneous LPOs have been cancelled;
3. All Standing and Accountable imprest due before 31st December 2021 have been retired and fully accounted for;
4. The asset register has been updated to the best of our ability and includes all known assets with a value of more than Vt100, 000 as at 31st December 2021 ;
5. Employee leave transactions have been updated and the list of outstanding annual leave balances provided is valid and complete;
6. All known commitments, contingent liabilities and contingent assets have been identified and information submitted;
7. All adjustment journals have been made and passed onto the Department of Finance for approval.

Signed



(Director General)
Ministry of Climate Change


(Finance Manager)
Ministry of Climate Change

Statement of Appropriation

Table 2: Statement of Appropriation for transactions between 1 January 2021 and 31 December 2021

(Unit VT)

| Description | Original Appropriation | Supplementary Appropriations | Virements | Final Budget | Actual Expenditure | Total Expenditure | Under/ (Over) Budget |
|--|------------------------|------------------------------|--------------------|--------------------|--------------------|--------------------|----------------------|
| NDMO | - | - | - | - | 30,321 | 30,321 | -30,321 |
| Cabinet Operations | 68,527,810 | 3,434,424 | -14,000,000 | 57,962,234 | 64,811,185 | 64,811,185 | -6,848,951 |
| Portfolio Coordination | 68,527,810 | 3,434,424 | -14,000,000 | 57,962,234 | 64,841,506 | 64,841,506 | -6,879,272 |
| Cabinet Support | 68,527,810 | 3,434,424 | -14,000,000 | 57,962,234 | 64,841,506 | 64,841,506 | -6,879,272 |
| Meteo Department Corporate Service Section | 10,000,000 | - | - | 10,000,000 | 10,000,000 | 10,000,000 | - |
| Cabinet Operations | - | - | - | - | 210,071 | 210,071 | -210,071 |
| Office of the Director General | 98,768,727 | - | -4,692,811 | 94,075,916 | 90,662,242 | 90,662,242 | 3,413,674 |
| National Advisory Board | 4,700,000 | - | - | 4,700,000 | 4,700,000 | 4,700,000 | - |
| Corporate Services | 113,468,727 | - | -4,692,811 | 108,775,916 | 105,572,313 | 105,572,313 | 3,203,603 |
| Executive Management & Corporate Services | 113,468,727 | - | -4,692,811 | 108,775,916 | 105,572,313 | 105,572,313 | 3,203,603 |
| Meteo Department Corporate Service Section | 170,060,672 | - | -5,520,452 | 164,540,220 | 160,663,737 | 160,663,737 | 3,876,483 |
| Weather Forecasting & Monitoring | 1,000,000 | - | - | 1,000,000 | 999,291 | 999,291 | 709 |
| ICT-Engineering | 1,000,000 | - | - | 1,000,000 | 996,800 | 996,800 | 3,200 |
| Climate Section | 1,000,000 | - | - | 1,000,000 | 1,000,000 | 1,000,000 | - |
| Observation Section | 1,000,000 | - | - | 1,000,000 | 994,710 | 994,710 | 5,290 |
| Weather Forecasting, Monitoring and Research | 174,060,672 | - | -5,520,452 | 168,540,220 | 164,654,538 | 164,654,538 | 3,885,682 |
| ICT-Engineering | 1,000,000 | - | - | 1,000,000 | 1,000,000 | 1,000,000 | - |
| Geo-hazard | 1,000,000 | - | - | 1,000,000 | 1,000,000 | 1,000,000 | - |
| Vanuatu Meteorological Services | 175,060,672 | - | -5,520,452 | 169,540,220 | 165,654,538 | 165,654,538 | 3,885,682 |
| DoE Finance & Admin | 165,556,890 | - | 11,832,232 | 177,389,122 | 177,231,558 | 177,231,558 | 157,564 |
| DoE Electrification Unit | - | - | 14,000,000 | 14,000,000 | 14,000,000 | 14,000,000 | - |
| Energy Management and assessment | 165,556,890 | - | 25,832,232 | 191,389,122 | 191,231,558 | 191,231,558 | 157,564 |
| Energy | 165,556,890 | - | 25,832,232 | 191,389,122 | 191,231,558 | 191,231,558 | 157,564 |
| Environment Department | 69,727,798 | - | -4,618,969 | 65,108,829 | 64,536,560 | 64,536,560 | 572,269 |
| Sanma Extension Office | - | - | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | - |
| Malampa Extension Office | - | - | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | - |
| TAFEA Extension Office | - | - | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | - |

Table 2: Statement of Appropriation for transactions between 1 January 2021 and 31 December 2021

(Unit VT)

| Description | Original Appropriation | Supplementary Appropriations | Virements | Final Budget | Actual Expenditure | Total Expenditure | Under/ (Over) Budget |
|---|------------------------|------------------------------|-------------------|--------------------|--------------------|--------------------|----------------------|
| Environmental management, research and extension Services | 69,727,798 | - | -1,618,969 | 68,108,829 | 67,536,560 | 67,536,560 | 572,269 |
| Environment | 69,727,798 | - | -1,618,969 | 68,108,829 | 67,536,560 | 67,536,560 | 572,269 |
| National Disaster Management Office | 58,365,553 | - | -6,000,000 | 52,365,553 | 54,145,521 | 54,145,521 | -1,779,968 |
| PDO SHEFA | - | - | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | - |
| PDO TAFEA | - | - | 1,000,000 | 1,000,000 | 997,493 | 997,493 | 2,507 |
| PDO PENAMA | - | - | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | - |
| PDO MALAMPA | - | - | 1,000,000 | 1,000,000 | 999,869 | 999,869 | 131 |
| PDO SANMA | - | - | 1,000,000 | 1,000,000 | 999,972 | 999,972 | 28 |
| PDO TORBA | - | - | 1,000,000 | 1,000,000 | 998,207 | 998,207 | 1,793 |
| National Disaster Management | 58,365,553 | - | - | 58,365,553 | 60,141,062 | 60,141,062 | -1,775,509 |
| Department of Climate Change | 34,383,424 | - | - | 34,383,424 | 33,727,777 | 33,727,777 | 655,647 |
| Climate Change Adaptation | 1,271,000 | - | - | 1,271,000 | 1,267,660 | 1,267,660 | 3,340 |
| Climate Change Adaptation | 1,271,000 | - | - | 1,271,000 | 1,267,660 | 1,267,660 | 3,340 |
| Climate Change Mitigation | 1,470,391 | - | - | 1,470,391 | 1,464,420 | 1,464,420 | 5,971 |
| Climate Change Mitigation | 1,470,391 | - | - | 1,470,391 | 1,464,420 | 1,464,420 | 5,971 |
| Climate Change | 37,124,815 | - | - | 37,124,815 | 36,459,857 | 36,459,857 | 664,958 |
| Meteo Department Corporate Service Section | - | - | - | - | -20,076 | -20,076 | 20,076 |
| Weather Forecasting, Monitoring and Research | - | - | - | - | -20,076 | -20,076 | 20,076 |
| Vanuatu Meterological Services | - | - | - | - | -20,076 | -20,076 | 20,076 |
| Ministry of Climate Change Adaptation, Geohazards, Meteorology and Energy | 687,832,265 | 3,434,424 | - | 691,266,689 | 691,417,318 | 691,417,318 | -150,629 |
| Grand Total | 687,832,265 | 3,434,424 | - | 691,266,689 | 691,417,318 | 691,417,318 | -150,629 |

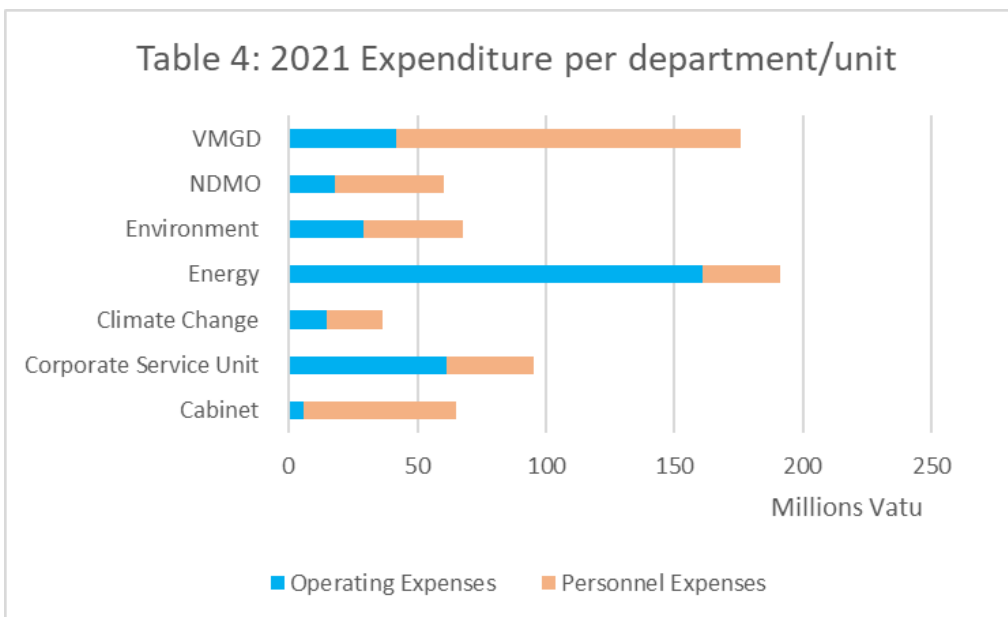
Summary of Expenditure

Table 3: 2021 Budget Vs Actual Expenditure (Unit VT)

| Description | Final Budget | Actual Expenditure | Variance | % of budget spent |
|---|--------------------|--------------------|-----------------|-------------------|
| Cabinet Support | 57,962,234 | 64,841,506 | -6,879,272 | 89% |
| Executive Management & Corporate Services | 108,775,916 | 105,572,313 | 3,203,603 | 103% |
| Vanuatu Meteorological Services | 169,540,220 | 165,654,538 | 3,885,682 | 102% |
| Energy | 191,389,122 | 191,231,558 | 157,564 | 100% |
| Environment | 68,108,829 | 67,536,560 | 572,269 | 101% |
| National Disaster Management | 58,365,553 | 60,141,062 | -1,775,509 | 97% |
| Climate Change | 37,124,815 | 36,459,857 | 664,958 | 102% |
| Grand Total | 691,266,689 | 691,417,318 | -150,629 | 100% |

The 2021 total expenditure for the Ministry of Climate Change was 691,417,318 Vatu, a 10% increase from 2020. Most (4 out of 7) departments/Units had expended over 100% of their budget. The corporate service unit, VMGD, and Department of climate change were the only department that exceeds its budget by 2-3% (this was due to personnel expenses/payroll).

Table 4: 2021 Expenditure per department/unit

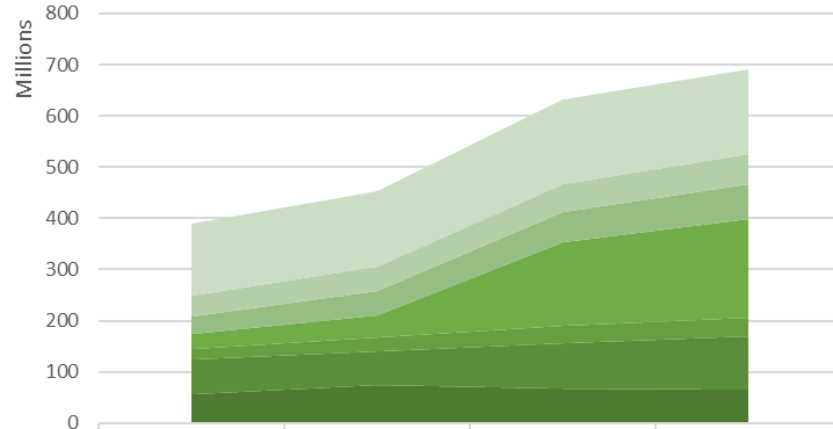


'Personnel expenses' accounted for more than 100% of the ministry's total expenditure in 2021.

A large portion of the expenditures for Energy Department was for the operations budget (due to the National Green Energy Fund)

Summary of Expenditure

Figure 3: Expenditure Trend 2018-2021



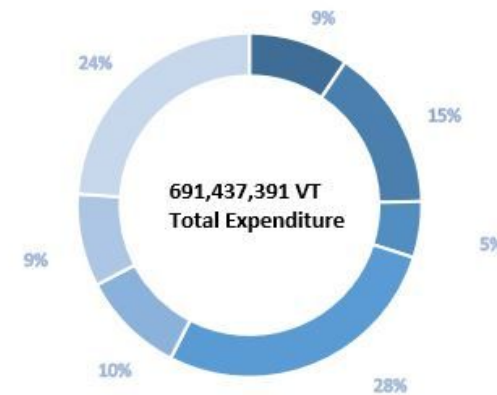
| | 2018 | 2019 | 2020 | 2021 |
|------------------------|-------------|-------------|-------------|-------------|
| VMGD | 139,496,288 | 147,125,106 | 163,574,270 | 165,654,538 |
| NDMO | 40,455,508 | 48,311,109 | 55,247,674 | 60,141,062 |
| Environment | 33,644,546 | 47,614,188 | 59,778,163 | 67,536,560 |
| Energy | 31,025,238 | 44,375,628 | 163,056,970 | 191,231,558 |
| Climate Change | 18,910,003 | 25,123,311 | 33,072,192 | 36,459,857 |
| Corporate Service Unit | 67,913,817 | 67,716,357 | 87,810,782 | 105,572,313 |
| Cabinet | 57,473,110 | 73,557,519 | 68,684,724 | 64,841,506 |

■ Cabinet ■ Corporate Service Unit ■ Climate Change ■ Energy ■ Environment ■ NDMO ■ VMGD

The 4-year expenditure trend from 2018 to 2021 shows a progressive increase. The recent development of expansion activities within MoCC in 2021 has significantly increased the ministry's expenditures by about 10% from 2020.

On average, each department or unit expended about 14% of the total expenditure. However, it is notable that Energy, the largest department within the Ministry, accounted for 28% of MoCC's total expenditure, and climate change accounted for the lowest proportion at 5%.

Figure 4: 2021 Expenditure proportion per Department



■ Cabinet ■ Corporate Service Unit ■ Climate Change ■ Energy ■ Environment ■ NDMO ■ VMGD

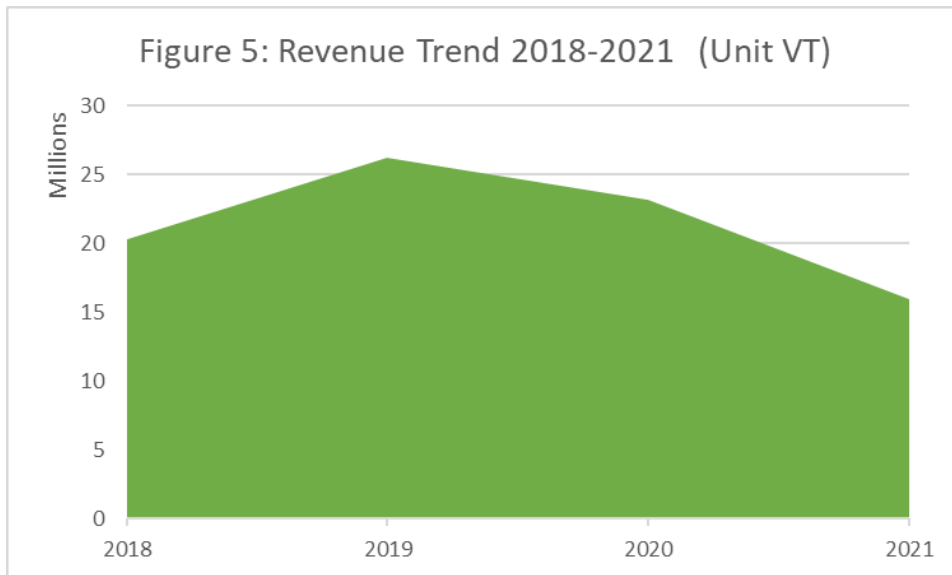
Summary of Revenue

Table 4: 2021 Forecast and Actual Revenue (Unit VT)

| Description | Forecast | Actual | Variance | % of Revenue Forecast reached |
|--------------------------------|-------------------|-------------------|--------------------|-------------------------------|
| Other Asset Disposals | | 43,500 | 43,500 | 0% |
| Other Fines | | 1,300,000 | 1,300,000 | 0% |
| Other fees | | 186,900 | 186,900 | 0% |
| Electricity Charges Recoveries | | 20,930 | 20,930 | 0% |
| Other Fines | 400,000 | 3,059,783 | 2,659,783 | 13% |
| Application Charges Recoveries | 120,000 | 78,753 | -41,247 | 152% |
| Other Recoveries | 10,000,000 | 5,639,779 | -4,360,221 | 177% |
| Permits Recoveries | 10,000,000 | 3,401,550 | -6,598,450 | 294% |
| Landing Charges | | 1,720,006 | 1,720,006 | 0% |
| Other Fees | 10,000,000 | 426,716 | -9,573,284 | 2343% |
| Other Recoveries | | 14,000 | 14,000 | 0% |
| Other Asset Disposals | | 22,630 | 22,630 | 0% |
| Vehicles Disposals | | 32,000 | 32,000 | 0% |
| Total | 30,520,000 | 15,946,547 | -14,573,453 | 191% |

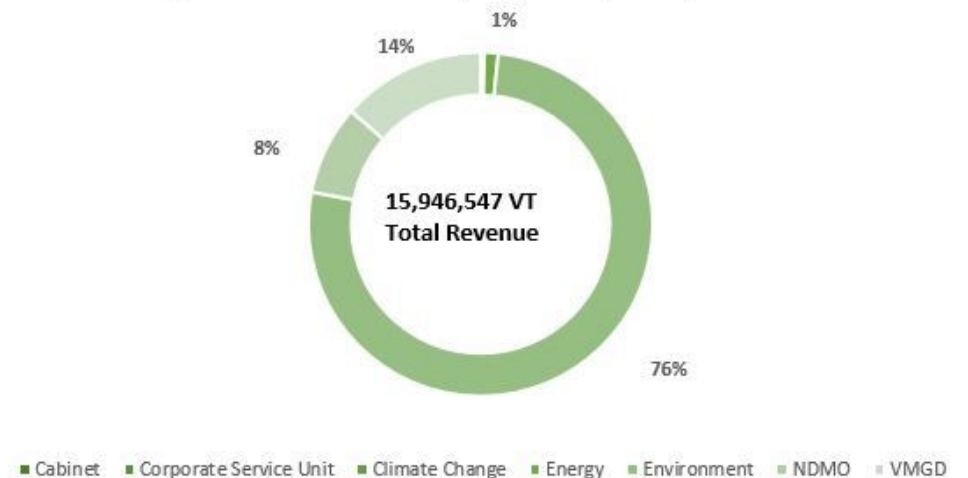
The MoCC's main revenue source in 2021 (recorded as 'Other Recoveries, other fines and Permit Recoveries') was mostly generated by the Environment.

Figure 5: Revenue Trend 2018-2021 (Unit VT)



The 4-year revenue trend from 2018 to 2019 shows a progressive increase particularly in 2018 has a significant increase of 70% and 2020-2021 showed an average decrease of 129%.

Figure 6: 2021 Revenue proportion per department



Summary of Assets and Liabilities

Figure 7: Summary of Assets in 2021

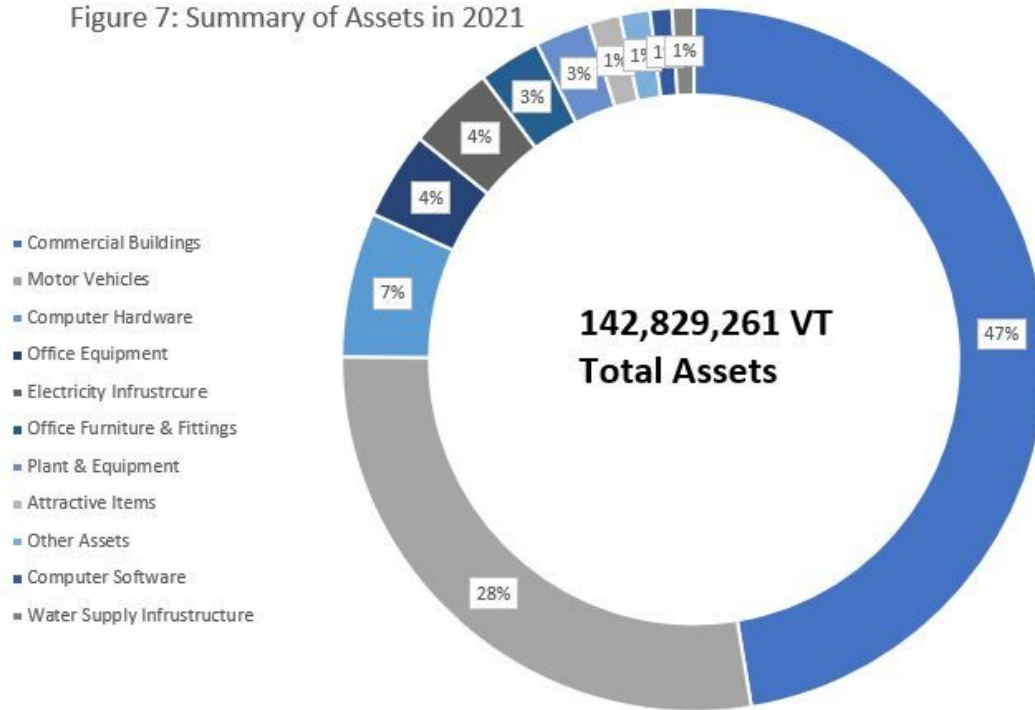


Table 6: 2021 Statement of Liabilities

| Description | Amount (VT) |
|--|--------------------|
| Accrued leaves | 19,032,180 |
| Accrued staff severance from 2017-2021 | 54,477,000 |
| Staff death benefits | 17,515,665 |
| Staff retiring in the next 1-5 year | 37,350,751 |
| Legal claims, Court Decisions | 22,000,000 |
| Total | 150,375,596 |

Table above estimates are generated from information as of December 31st 2021



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