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| **AGENDA Item 3 : Van-KIRAP Traffic Light Report (January – September 2023) ACTIVITIES** | | | | | | | |
| **TASK** | **Deadline** | **Responsible person/people** | **Operational Cost (USD estimates)** | **Status** | | | **Remarks/Comments** |
| 1. - 50 % | 50 – 80% | 80 -100% |  |
| **Component 1. Strengthen the VMGD platform to provide quality climate data and information for CIS.** | | | | | | | |
| **Output 1.1 - Strengthening climate information services through improved data and interfaces** | | | | | | | |
| Activity 1.1.1 Improving currency, functionality and visualization of climate data records for Vanuatu; | | | | | | | |
| Sub-activity 1.1.1.2 Digitize historic climate records, enter into CliDE and quality assurance | | | | | | | |
| Data key entry from climate field books into CliDE database | December | Neil | 24,000USD | \*\*\*\* see below | | |  |
| Activity 1.1.2 Building and Strengthening user interfaces to support CIS Decision-making | | | | | | | |
| Sub-Activity 1.1.2.1 Upgrade VMGD IT platform including computer Hardware and Software | | | | | | | |
| 1.1.2.1 Provide IT Equipment quotations  (Sub-Activity 1.1.2.1 IT equipment to improve VMGD capability) | December | Jino/Esther | - |  | | | Refer to Procurement Plan : Equipment & IT Equipment  Budget note: A33 |
| 1.1.2.1 Procure IT equipment  (Sub-Activity 1.1.2.1 IT equipment to improve VMGD capability) | December | Jino/Esther | 69,415 USD |  | | | Refer to Procurement Plan : Equipment & IT Equipment  Budget note: A33, A34 |
| 1.1.2.1 Installation and testing of IT equipment  Sub-Activity 1.1.2.1 IT equipment to improve VMGD capability/infrastructure | December | VMGD ICT & Engineering Team |  | | | Procurement Plan: Equipment & IT Equipment  Budget note: A33 |
| 1.1.2.1 Panel select/Recruitment of Web/App Developer   * panel sit * catering | December | Esther Saul/ICT Engineering Team | - |  | | | A28, A32 |
| IT equipment needs   * laptop, software (remote monitoring for Meteorological instruments) | December | Allan/Esther/Jino | 3,000 USD |  | | | A32 |
| Consultations CIS portal/platform specifications | December | Allan/Esther/Jino | 5,000 USD |  | | | A38 |
| Develop Specifications | December | Allan/Esther/Jino | - |  | | |  |
| **1.1.1.2 Data Archive, Homogenization & Digitization** | | | | | | | |
| 1.1.1.12 Commence Finalising of Inventory of the Climate Database | December | Neil | - |  | | |  |
| 1.1.1.12 Procurement and instalment of permanent Labels in Archive room | December | Neil | - |  | | |  |
| * + - 1. Validate Digitization Contracts | July | Neil | - |  | | |  |
| Recruitment of Digitization Team | August | Neil | - |  | | | See Budget Notes A9  A9 |
| * + - 1. Commence Digitization | August | Neil |  |  | | | See Budget Notes A9  A9 |
| 1.1.1.12   * QA done for first 6months of the year for all Manual Weather Observation Stations in Vanuatu. * QA for next 10yrs of Sola Data (2009) * Correct all erroneous data in CliDE and flag all outliers & suspicious data in CliDE database * Installation of software for homogenizing climate data * Undertake Homogenization Training with the Bureau of Meteorology (Virtual) * & suspicious data in CliDE database for the recent 10years of data. | September | Neil/Daphne/Stephen/Allan/Abel | 24,000USD |  | | |  |
|  |  |  |  |  | | |  |
| **Output 1.2. Research, modelling and prediction to support CIS tools and uptake** | | | | | | | |
|  | | | | | | | |
| 1.2.1.1 Prepare Tender docs for river monitoring gauge – link to Activity 2.1.4 | December | Van-Kirap sub-technical working group (Jino) | - |  | | | A60 -A64 |
| 1.2.1.1 Facilitate tender process of the river monitoring gauge. | December | Van-Kirap sub-technical working group | 77,000 USD |  | | | A60 -A64 |
| 1.2.1.1 River Gauge site at Sarakata River & report | December | Van-KIRAP sub tech WG (Jino/Jonah) | - |  | | | A63 |
| **Sub-Activity 1.2.1.3 Expanding Vanuatu’s rain fall**  monitoring system | | | | | | | |
| 1.2.1.1 Prepare tender documents for the 8xAWS and 8xARG | December | Jino/Carol/Lidvina | 388,000 USD |  | | |  |
| 1.2.1.1 Facilitate tender process for the 8xAWS and 8xARG | December | Jino/Carol/Lidvina | - |  | | |  |
| **1.2.1.2 Upgrading and expanding the Vanuatu observational networks** | | | | | | | |
| 1.2.1.2 Sub-activity Ocean monitoring for CLEWS enhancement and inundation modelling |  |  |  |  | | |  |
| 1.2.1.2 Ocean bouy awareness | December | Fred/Moirah/Nastasia | - |  | | | A69 |
| 1.2.1.2 Procure 6 x ocean spotter buoys and 6x non-smart mooring systems | December | Fred/Moirah/Nastasia | 195,000USD |  | | | A70 |
| 1.2.1.3 Weather RADAR  TOR and RFT developed and reviewed with SPREP  MBC approved the NPP budget for on -ground costs. | December  December | Esther & ICT TEAM/SPREP |  |  | | |  |
| **Component 2. Demonstrating the value of CIS at sectoral and community levels.** | | | | | | | |
| **Output 2.1 - CIS implemented within target sectors** | | | | | | | |
| **Activity 2.1.1 Investigating the climate sensitivity, potential impacts and vulnerability of food crops in Vanuatu to secure future food security.** | | | | | | | |
| Undertake CIS and agromet awareness to farmers and communities in North Pentecost, Tanna, Santo, Erromango, Loh (torres island), Sola (banks) and Malekula. | December | Pakoa/ Allan Rarai/ 2 DARD officers | 5,000USD |  | | | Refer to budget note- B16  5000 |
| Conduct CIS and Agromet awareness during the national week of Agriculture (NWA) in Tanna and perform demonstration | December | Pakoa/ Allan rairai | 3,000USD |  | | | 3000 refer to budget note- A81 |
| Conduct TK survey in North Pentecost, Tanna, Santo, Erromango, Loh, Sola and Malekula | December | Pakoa/ 2 DARD officers | 3,000USD |  | | | Refer to budget note-A81  3000 |
| Establishment of demonstration plots in Santo, Malekula and sola | December | Pakoa/ 2 DARD officers | 4,000USD |  | | | Refer to budget note- A2 and B12  4000 |
| Do a follow up to monitor and get feedback from farmers | December | Pakoa/DARD officers | - |  | | |  |
|  |  |  |  |  | | |  |
| **Activity 2.1.2 Improving food security in Vanuatu by using climate information to prepare for and respond to temperature impacts on coastal fisheries.** | | | | | | | |
| **Sub-Activity 2.1.2.1 Establish management plans for community MPA’s** | | | | | | | |
| 2.1.2.1 Undertake community consultations in Aneityum, baseline data collection, community awareness and information sessions on CIS tools and products. Develop and implement e-reporting and monitoring programme. | December | Kalo Pakoa/VFD officers | 8,000USD |  | | | Refer to procurement plan-Travel- local Activity 2.1.2. Budget note B23  Refer to procurement plan-Workshop and trainings Activity 2.1.2. Budget note B24  Refer to procurement plan-Awareness raising tools and products 2.1.2. Budget note B28  Refer to procurement plan-Awareness raising tools and products 2.1.2. Budget note B28Awareness raising tools and products 2.1.2. Budget note B28 |
| 2.1.2.1 Undertake community consultations in Nalema, baseline data collection, community awareness and information sessions on CIS tools and products. Develop and implement e-reporting and monitoring programme. | December | Kalo Pakoa /VFD officers | 8,000USD |  | | | Refer to procurement plan-Travel- local Activity 2.1.2. Budget note B23  Refer to procurement plan-Workshop and trainings Activity 2.1.2. Budget note B24  Refer to procurement plan-Awareness raising tools and products 2.1.2. Budget note B28 |
| 2.1.2.1 Undertake community consultations in Epau/Pangpang, baseline data collection, community awareness and information sessions on CIS tools and products. Develop and implement e-reporting and monitoring programme. | December | Kalo Pakoa /VFD officers | 4,000USD |  | | | Refer to procurement plan-Travel- local Activity 2.1.2. Budget note B23  Refer to procurement plan-Workshop and trainings Activity 2.1.2. Budget note B24  Refer to procurement plan-Awareness raising tools and products 2.1.2. Budget note B28 |
| 2.1.2.1 Declaration of MPA in Toman and Mystery Island and develop/revise community management plans. | December | Kalo Pakoa /VFD officers | - |  | | |  |
| 2.1.2.1 Identify alternative livelihoods options and next steps. | December |  | - |  | | |  |
| **Sub activity 2.1.2.2a Responding to Marine thermal stress event: Developing climate data for fisheries hotspots** | | | | | | | |
| * Deployment of temperature and pH loggers at monitoring sites * Historical Data analysed and report. | December | Kalo Pakoa /VFD officers | 8,000USD |  | | | Refer to procurement plan-  Awareness raising tools and products 2.1.2. Budget note B28 |
| **Sub-activity 2.1.2.2b building knowledge to extreme climate events** | | | | | | | |
| * Community information and awareness on climate change and impacts on marine resources | December | VFD officers | 8,000USD |  | | | Refer to procurement plan-  Awareness raising tools and products 2.1.2. Budget note B28 |
| **Sub-activity 2.1.2.3 Develop alternative food preservation methods** | | | | | | | |
| Collect baseline information on fish market operations and activities | December | VFD officers | 8,000USD |  | | | Refer to procurement plan-  Awareness raising tools and products 2.1.2. Budget note B28 |
| **Sub-activity 2.1.2.4 Community engagement and awareness** | | | | | | | |
| * Community information sessions on CIS tools and products * sector information workshops | December | **VFD officers** |  |  | | | Refer to procurement plan-  Awareness raising tools and products 2.1.2. Budget note B28 |
| **Activity 2.1.3 Upgrade the standard infrastructure design in the Vanuatu Public Works Department using climate data on low–lying ‘hotspot’ and coastal erosion areas** | | | | | | | |
| **Tanna (Lonatom), Malekula (Sarmet river) Efate (Mele River & Teuoma River) Santo ( Laplas & Shell Company coastal Area)**   * Recruit new PWD Sector Coordinator * Procurement of Drone& LIDAR * Training of PWD Engineers on Drone Piloting * Vanuatu Roads Design guide and training | July | PWD | - |  | | |  |
| **Activity 2.1.4 Increasing climate resilience in flood prone areas - Sarakata Flood Plain** | | | | | | | |
| Installation of water level (staff) gauges and groundwater level loggers. | September | Jonah/ Local consultant | 1,000USD |  | | | Budget Notes:  B44 Activity 2.1.4. Hydrologist to assemble / install flood 45-gauge instruments; |
| **Data Collection and Collation** | | | | | | | |
| * Training Workshop:   **Basic Operational Hydrological Trainings**   * **(**Field Techniques and Data Management) * Develop data digitization plan | September | Local Consultant/Jonah | 10,000USD |  | | | Budget Notes: B52 Training/workshops  USD 1,500 of 2,500  B44: USD 8,500 of 25,000 |
| **Data Analysis**  8500USD | | | | | | | |
| Develop Quarterly Reports (Flow Regime Analysis, Flow Analysis, Drought Analysis) | September | Jonah/Consultant | **-** |  | | | B44: USD 8,500 of 25,000 |
|  |  |  |  |  | | |  |
| **Sanma Basin Integrated Flood Management & Response Plan** | | | | | | | |
| Establish Dialogue and Communication with Key Stakeholders | September | Jonah | 3,000USD |  | | | B53 USD 3,000.00 of 10,000.00 |
| **Early Warning System** | | | | | | | |
| Undertake Data monitoring, Collection, Analysis Training with VMGD | September | Jonah/Jino | 2,500USD |  | | | B49 USD 2,500 of 19,800.00 |
| **Ground Water Monitoring & Mapping** | | | | | | | |
| Requested Training from Delivery Partners for Piezometric mapping, ground water monitoring report & Water – Climate Seasonal Outlook Report | September | Delivery Partners (CSIRO, BoM) | **-** |  | | |  |
| **Develop & Disseminate Cis Tools & Information** | | | | | | | |
| Water Sector CIS Need Assessment | September | Jonah | **-** |  | | |  |
| Develop Water Climate Information Outlook Prototype | September | Jonah/VMGD | **-** |  | | |  |
|  | | | | | | | |
|  | | | | | | | |
| **Activity 2.1.5 Minimizing the impacts of climate variability and change on tourism development through supporting adaptation.** | | | | | | | |
| 2.1.5.1 **Increasing the uptake of climate information services in the tourism sector** | | | | | | | |
| * Ongoing discussion with DoT on the review of DoT bungalow guide. * Develop TOR for the consultant to review bungalow guide * Advertise and recruit consultant | December | DoT | 1,000USD  5000 |  | | | B58, B59, B60, B61 |
| * Analyse workshop findings and recommendations   Develop draft SOPs for Tourism Activities | December | DoT | 1,000USD |  | | | B58, B59, B60, B61 |
| * Follow up with BOM on the Tourism Bulletin based on the survey undertaken with tourism operators * Email follow up on email | December | DoT | 1,500USD |  | | | B58, B59, B60, B61 |
| * Undertake Awareness on the SOPs, Tourism Bulletin and Climate tools in partnership with VMGD, Tourism and Van KIRAP team * Face to face workshop | December | DoT | 4,000USD |  | | | B58, B59, B60, B61 |
| **Supporting decision-making through the use of climate information services**    **Supporting decision-making through the use of climate information services**    **Supporting decision-making through the use of climate information services**    **Supporting decision-making through the use of climate information services**    **Supporting decision-making through the use of climate information services**    **Supporting decision-making through the use of climate information services** | | | | | | | |  |  |  |  |
| * Finalize list of climate tools relevant for tourism operators in partnership with DoT, Provincial Officers, Tourism Operators, VMGD, NDMO, DoCC * Assist DoT to incorporate relevant CIS in the Provincial Plans * Continue to Participate in the Tourism Legislative review * Discuss with DoT how CC expert could assist with review of Tourism legislation to include CIS. * Tools for communicating Climate Bulletin under review * Provincial Plan is currently in progress | July  July  August- September  August- September | Moses/DoT/VSP/VMGD  Moses/DoT/VMGD  Moses/DoT | 1,000USD  200USD  1,000USD |  | | | B58, B59, B60, B61 |
| **Planning for future tourism investment opportunities** | | | | | | | |
| * Orrganize discussions with Delivery partners, VMGD Officials and Van KIRAP Team on the draft Climate Projections * Discuss with VMGD and DoT on a Tourism Climate Change Investment Guide and Hazard Maps * Review Tourism Investment Guide to include CC information and Hazard Map * To do a face - to - face discussion * Discuss with DoT on the importance of Investment Guide & Risk/Hazard Maps * Beca International Consultants Rapid Climate Risk Assessment Framework and Methodology | July  August  September | Moses/DoT/VMGD  Moses/DoT/VMGD  Moses/DoT/VMGD/Delivery Partners | 100USD  2,500USD  1,000USD |  | | | B58, B59, B60, B61 |
| **Sector Training and Capacity Building**  **Sector Training and Capacity Building**  **Sector Training and Capacity Building**  **Sector Training and Capacity Building**  **Sector Training and Capacity Building**  **Sector Training and Capacity Building** | | | | | | | |
| Work with VMGD to tailor CC Training for Tourism Operators | July | Moses/Moirah/Allan/Bae | 500USD |  | | |  |
| Attend the second CC training at the Water Department | August | Moses | 100USD |  | | |  |
| Conduct CC Training & Capacity Building to Tourism Operators & Stakeholders   * Ensure, CC training is tailored to suit Tourism Operators * Attend training | September | Moses/Allan/Bae | 2,500USD |  | | |  |
| Conduct CC Training & Capacity Building to Tourism Officers at the Head Office   * VMGD & Van KIRAP to conduct training * Training on Climate Change to be conducted in August | August | Moses/Moirah/Allan | 500USD |  | | |  |
| Activity 2.1.6 Site Assessments | August |  |  |  | | |  |
| **Output 2.2 - CIS is incorporated into community practices** | | | | | | | |
| 2.2.1.1 Operationalization of Luganville, Nakere, and Sola Community Centres | December | Sunny/Moirah | - |  | | |  |
| 2.2.1.1 Site visitation, assessment and consultation | December | Sunny/Connie | - |  | | | Budget notes B69 |
| Site visitation, assessment and consultation at Saratamata, Ambae and Lakatoro-Malekula (Proposed community climate centres)  Procure materials/sign boards for CCC offices | September | Sunny/Moirah/Allan  Community Coordinator | 30,000USD |  | | |  |
| Establishment of three (3) CCC sites in Sola Banks, and Santo – Nakere and NDMO office Luganville | December | Sunny/Moirah/Allan  Community Coordinator |  | | | Budget Notes, B71, B72 |
| **Component 3. Developing of CIS tools and engaging with stakeholders through outreach and communications.** | | | | | | | |
| **Output 3.1 - Traditional knowledge is incorporated into climate information services in Vanuatu** | | | | | | | |
| 3.1.1  a) TK assistant officer induction | December | Albert/Sina/Sunny/Moira/Allan | **-** |  | | | Budget notes  C2 |
| b) Community Consultations in Epi and Big Bay - Santo | December |  | 2,000USD |  | | | Budget notes  C21, C24, C24 |
| 3.1.1.  a) TK data collection on sites (Epi & Santo)  b) TK SOP collections and monitoring to Epi and Santo  c) TK products propose for 5 sectors | December |  | 5,000USD  5,000USD  5,000USD  4,000USD  50USD |  | | | Budget notes  C16, C20 |
| 3.1.1.  a) Draft Traditional Knowledge National Indicators Booklet  b) Draft Traditional Knowledge Calendars for Epi and Big-Bay Santo  c) Traditional Knowledge, Climate Watch App | December | Albert /PMU | 3,000USD  3,000USD  1,000USD |  | | | Budget notes  C23, C26  C23, C26 |
| 3.1.1. Communities and awareness, radio talks  Vanuatu Rainfall Network and Traditional Knowledge Climate Refresher Training planning | On- going  August | Everyone  TK coordination Team | **-** |  | | | Budget notes C23, C26 |
| **Output 3.3 - Implementing knowledge management, engagement and outreach across sectors and communities** | | | | | | | |
| 3.3.1 Support the recruitment and selection of the Communications Coordinator | December | Moirah/Allan/Sunny | 50 USD |  | | |  |
| 3.3.1 Finalise contract and initial contract payments for new Communications Coordinator | December | Sunny/Connie |  |  | | |  |
| 3.3.1 Prepare stories for the SPREP CCM newsletter | On-going | Sunny |  |  | | |  |
| 3.3.1 Communications opportunities e.g. Facebook, radio talk-back shows etc | September | Everyone |  |  | | |  |
| 3.3.1 Updating Community Notice board (Efate only) with Vanuatu Climate Updates/CIS information | September | Stephen/Albert | - |  | | |  |
| 3.1.1. Communities and awareness, radio talks   * Send Climate Products via Email x 3 month (Once every month). * Prepare Tide Calendar for each Month (April, May June) to be placed on all community notice boards. * Stock Take in the mid of quarter 3 (All Awareness Materials e.g., Banners and Brochures). * Coordination of all Data Request in Quarter 3. * Archive Soft Copies of completed Climate Data Request. * Assist in designing, and collecting printing quotations. | On -going | Stephen/Albert | 500USD |  | | | Budget notes, C18, C19 |
| **Component 4. Strengthening institutional capacity for long-term implementation of CIS in decision making.** | | | | | | | |
| **Output 4.1 - Institutional capacity to implement CIS across sectors strengthened** | | | | | | | |
| 4.1.1.  Renew MOUs with Sectors  Technical Working Group meetings  PWD officers to get certificate from New  Zealand for DJI Matric 300 Drone with LIDAR capability | September  August | Sunny/Connie/Moirah/Carol  Sunny/Moirah | **2,000USD** |  | | | Budget Notes D7 |
| Data streaming through Met Services via CIS platforms to be enabled access to Sectors.  Capacity building and training of Sectors on uptake of new CIS tools, Climate Futures Portal, OSCAR system, River gauge monitoring, DJI Matrices Drone pilot | September | Sunny/Moirah | **-** |  | | |  |
| 4.1.2. Building institutional and project capacity in Monitoring and Evaluation, environmental and Social safeguards.   * Support the development of the M&E Framework and plan * GEDSI implementation plan * ESMP implementation plan | September | Sunny/Moirah | **-** |  | | |  |
| **Output 4.2 - Training of personnel leads to strengthening of institutional capacity** | | | | | | | |
| 4.2.1.1 Training packages building knowledge and skills in meteorology and climate tool   * Training on CIS 101 with allfive sectors * VMGD Training on CLiDE * CIS 101 Training with three (3) provincial Community Climate Centres. * Climate training on CLIKP by APCC/SPREP | September | William/Allan/Sunny/Moirah/Stephen | **1**0,000USD |  | | | D27, D28, B72  D24, D26 |
| 4.2.2.2 Recruit intern/ cadets to support project activities e.g. data digitisation and rescue, data entry etc   * Pro-scan book eye training with Climate Division * Digitization training with BoM * Training for VMGD on Communication and photography for science * Training on Climate Futures portal * Training on AWS ARG installation | September | Allan/Moirah/Neil/Kalo | - |  | | | See budget notes A9 under digitization activities |
|  |  |  |  |  | | |  |
| **Component 5. Project Management and implementation** | | | | | | | |
| 5.1.1   * SPREP PMU re-located to VMGD building * Larger procurements progressed through SPREP PMU * Project management Consultants recruited by SPREP IE | On going | Connie/Sunny/Moirah/Carol/Lidvina  Carol/Moirah  Connie/Sunny | 10,000USD |  | | | Office operations and supporting local missions  E14, E17 |
| * Project Management Consultants recruited by SPREP IE, Pacific Advisory * Project Integrity Review by GCF * SPREP cleared VMGD PMU Audit 2021 * Implement Traffic Light report system * SPREP provided finance training to VMGD PMU * Project fourth Steering committee Meeting * Project Calendar of Events   5.1.1 Submit the Six-month Progress Report for Jan- Jun 2021.  Traffic Light Quarterly Report | September | Sunny/Moirah | - |  | | |  |
| 5.1.1 Finalise the financial report for VMGD, Jan- Jun 2021. | July | Lidvina | - |  | | |  |
| 5.1.1 Finalise the financial report for SPREP, Jan- Jun 2021. | July | Connie | - |  | | |  |
| 5.1.1 Process VMGD Finance Audit for FY 2018,2019 and 2020, 2021 | September | Lidvina | 15,000USD |  | | | Budget notes E16 |
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