



National Disaster Center



*Empowered lives.
Resilient nations.*

2018 ANNUAL PROJECT REPORT
United Nations Development Programme - Papua New Guinea
Project Title: Strengthening Disaster Risk Management in PNG

Award ID: 00089438

Project ID: 00095683 & 00110618

Duration: 3 Years

Implementing Partners: National Disaster Centre (NDC)

Reporting Period: January – December 2018

Purpose/Description of the Annual Project Report (from intranet)

The purpose of the Annual Report is to provide the Project Board (and possibly other stakeholders) with a summary of the project status at regular intervals.

The report compiles various financial and substantive data to compare project achievements with the project plans. The Project Board uses the report to monitor project progress. The Project Manager also uses it to advise the project Board of any potential problem or areas where the Board could help, by capturing information on risks and issues. Project Annual Reports serve also as inputs for the monitoring of corresponding outcomes by the Outcome Boards.

- *It is the responsibility of the Project Board to review the Annual Report and provide direction and recommendations to ensure that the agreed results are produced satisfactorily according to plans.*
- *It is the responsibility of the Project Manager to prepare the Annual Reports (with inputs from team members and partners) and the Final Project Report and submit them to the Project Board.*

Executive Summary

Papua New Guinea is prone to various natural disasters such as floods, landslide, earthquake, volcanic eruption tsunami among others. Through the "Strengthening Disaster Risk Management in PNG" project funded by the Government of Australia, the United Nations Development Programme (UNDP) and National Disaster Centre (NDC) have been working together to strengthen and enhance the DRM capacity of the Government to effectively prepare for, respond to and recover from disasters. This is through capacity building of NDC, the PNG Technical Agencies and the Provincial Disaster Offices under respective Provincial Administration offices in the four provinces and the Autonomous Region of Bougainville (AROB).

2018 has been another interesting but a challenging year. The project had to respond to 7.5 magnitude Earthquake that hit Southern highlands, Hela, Western and Enga provinces, the Manam Volcanic Eruption as well as several other minor disasters. PNG's hosting of APEC meetings has seen technical support from the project towards NDC and Climate Change Development Authority (CCDA) hosting Emergency Preparedness Working Group Meetings, Senior Official Meetings, Finance Ministers Meeting and the Senior Disaster Management Officers Forum leading up to the main meetings in November. Despite challenges, the project remained focus to implement activities as per the 2018 Annual Work Plan. of the work around capacity building at the national and subnational level continued with the presentation of the results of multi hazard risk assessment in the provinces. Understanding hazards and risks at the community level as well as mainstreaming DRR in the provincial and district development plans are very some of the important areas that needs to be enhanced. In addition, establishing very good partnerships with Government, Private Sector, Non-Governments & Civil Society Organizations including disaster prone communities is critical as it increase capacities that can lead to building resilience and reducing loss of lives during disasters.

I. Context

Rationale:

This project is geared towards helping the Government of Papua New Guinea to strengthen its overall Disaster Risk Management capacities and is funded by Australian Government. The project was formally signed with the National Disaster Centre in September 2015 and was originally for the period of 2015-2017. The project has been granted a one year no-cost extension until 31 December 2018. The proposed project extension enabled NDC and UNDP to consolidate achievements and complete activities that have been initiated.

The project had initiated implementation of its core capacity building activities, **largely focusing at the provincial level**, through strengthening offices of the Provincial Disaster Coordinators (PDCs) in five pilot provinces. The worked around comprehensive multi-hazard risk assessments, various capacity building trainings to enhance PDC capacities, focusing on strengthening disaster preparedness and response in the pilot provinces.

In 2018, the project continued to support PNG Government to enhance its DRM policies and systems. The establishment of National Disaster Loss Database in PNG to enhance disaster management information system is still a work in progress and it is almost reaching its final stages. One of the major results for the project this year is the NEC approval of **the National DRR Framework**. Most of the **focus in 2018 was at the provincial level**, supporting Provincial Administrations with the finalization of the risk assessments, developing Provincial DRM Plans, and elaborating Capacity Building plans. Another key area of support was on **improving humanitarian coordination**, including enhancing disaster preparedness and response mechanisms of the Disaster Management Team (DMT). In the fourth quarter of 2017, the project received support from the Pacific Regional Project (RESPAC) funded by the Russian Government to be implemented throughout the Pacific. This aims at enhancing the capacity

of National Weather Service (NWS) in data collection and Early Warning System. The project also took on board another regional project funded by the Japanese Government to raise Tsunami awareness in schools in PNG. In addition, the project also worked with Conservation, Environment Protection Authority (CEPA) in water replenishment activities funded by Coca Cola. The Project was reviewed in September with the recommendation for the design of second phase.

Objectives:

The project aims to enhance and strengthen the DRM capacity of National Disaster Centre (NDC) and the Provincial Disaster Officers at the National and Subnational levels respectively.

Key stakeholders and beneficiaries:

The Key stakeholders of the project are, National Disaster Centre (NDC) and Provincial level Disaster Coordinators, Department of Mineral Policy & Geohazards Management (DMPGM), Climate Change Development Authority (CCDA), National Weather Services (NWS), PNG Red Cross Society (PNGRCS), DMT Members (including INGOs). The main beneficiaries of the project are the key stakeholders as well as the Children, elderly, women and men living in hazard prone locations. Other beneficiaries of the project are the employees of relevant government institutions, including NDC and PDCs and the Members of DRR/Emergency Coordination bodies at different levels.

II. Project results summary

Progress Review:

Update per project output and activities:

Output: Strengthening Disaster Risk Management in Papua New Guinea
Activity Result1: Disaster Preparedness and Response Mechanisms enhanced, and disaster early warning procedures strengthened
<ul style="list-style-type: none"> • Development of National Disaster Risk Reduction Framework (NDRRF) Action Plan • DRM Capacity Development Plan for NDC & 5 Provinces • Installation and Handover of ICT Equipment at NDC & 5 Provinces • Finalise and launch National Disaster Loss Database • Finalise review of CHARM Training Course DRM Training for 1 Provinces & Review of NDC DRM Training Course • Develop and disseminate DRM awareness products • Public education materials on tsunami preparedness updated and adapted for schools in PNG • Schools identified for the drills • Familiarization of Tsunami evacuation drill by students, school officials and local authorities. • Tsunami evacuation drills for high -risk schools conducted and documented • Installation of Automatic Weather Station (AWS) unit • Upgrading of data integration and data exchange systems • Vaisala Automatic Weather Station (AWS) Upgrades • Providing better water access – Pari village water supply • Water Shed Protection

- Review of Project Impact

Baseline	Indicators	Results
<p>DRM Framework without Action Plan</p> <ul style="list-style-type: none"> • No DRM capacity development plans available • No disaster loss database • Outdated CHARM Training Course • 0 water supply system to supply adequate fresh water • Poor Sanitation and highly vulnerable to waterborne diseases • Unprotected watershed leading to loss of water from the lake 	<ul style="list-style-type: none"> • 1 Draft NDRRF Action Plan • 1 DRM capacity needs assessment report • 6 DRM capacity development plan • 1 National Disaster Loss Database • 1 DRM training package, with all key modules • 5 Trainings for Provincial Disaster Committees • 5 Provincial DM offices equipped • 3 of DRM awareness products • Awareness Raising & Tsunami Evacuation Drills in 5 Schools • 2 Automatic Weather Stations installed • 4 Automatic Weather Stations upgraded • 1 Project Review Report 	<ul style="list-style-type: none"> • Finalised and approved by PNG Gov - National Disaster Risk Reduction Framework (NDRRF) for 2017 - 2030 • Disaster Loss Database data collection and data entry. Over 1200 lines entered, Database for DesInventor completed, DesInventor Training manuals completed, PNF Disaster Data sources catalog and library completed • Finalised Review of CHARM training Course • Public Education Materials for tsunamis adapted for schools in PNG • 3 x Humanitarian Partners coordination meeting for AROB • Tsunami Evacuation and Response Plan developed for Buka • Tsunami Evacuation Drills conducted for ENB, Milne Bay and the residents and schools in Sohano Island, AROB • Installation of Automated Weather Stations (AWS) in Simbu and in Port Moresby Jacksons International Airport

Activity Result 2: Disaster risk management integrated into development plans and budgets

- Finalization of Provincial Disaster Risk Reduction Plans Presentation & Endorsement of Provincial Risk Reduction Plans
- Finalise Disaster Management Planning & SOP Processes in coordination with other actors
- Support Provinces with mainstreaming disaster risk reduction into provincial development plans
- Policy Support to CCDA on thematic coherence of PNG Government's proposed SDMOF theme/sub-themes to EPWG based on PNG's DRR/DRM Context
- Technical support in preparation of policy/information paper and EPWG presentation based on proposed SDMOF theme/sub-themes
- Policy support to CCDA on preparations and organisation of SDMOF

Baseline	Indicators	Results
<ul style="list-style-type: none"> • 0 Risk reduction plans (in pilot provinces); 0 provincial DRM plans; • 0 provincial SOPs; • 0 Comprehensive DRM Training packages; 	<ul style="list-style-type: none"> • 5 multi-hazard risk assessments (for five provinces); • 2 trainings on hazard and risk assessment; • 5 provincial risk profiles • 5 provincial DM Plans; • 5 provincial Risk Reduction Plans; • 5 provincial SOPs • 1 Policy/Information Paper for EPWG 13(SOM 1) • 1 PNG Presentation for EPWG 13 (SOM 1) 	<ul style="list-style-type: none"> • Finalised Standard Operating Procedures (SOPs) for Flood, Landslide, Marine Search And Rescue (MSAR), Tsunami, Tsunami + Earth Quake, Volcano and SOP for developing SOPs developed pending NDCs comments and approval • Flood Planning and Marine Search & Rescue Workshop for Central Province • SOPs development training for AROB • Finalised DRM plan for Western Highlands Province (approval pending) • Finalised Capacity Assessment and Capacity Development Plan for NDC and 5 Provinces developed + pending NDC's comments and approval • Finalised DRR Plans and Risk Baselines (pending approval) • Specialised Training to Technical Departments on

		<p>Flood and Tsunami planning</p> <ul style="list-style-type: none"> • DRM Integrated into MTDP III & Rigo District Development Plan • Technical visit for information sharing and learning between ABG and AROB Disaster Office, ENB Provincial Administration and RVO • Support to PNG's hosting of APEC 2 x EPWG Meetings and APEC Senior Disaster Management Officials Forum (SDMOF) • Support to Madang Provincial Administration hosting APEC Finance Ministers Meeting • Project review completed in September • Procurement of ICT Equipment for NDC and Provinces
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Activity Result 3: Preparedness and planning mechanisms and tools to manage disaster recovery processes at National and sub-national levels strengthened

- National Recovery Framework approval and launch
- Finalise disaster recovery needs assessment tool
- Finalise Disaster Recovery Project Catalogue

Baseline	Indicators	Results
<ul style="list-style-type: none"> • Limited understanding of recovery in pilot provinces • 0 Govt approved Recovery Frameworks & Plans • 0 recovery project catalogue 	<ul style="list-style-type: none"> • 1 Govt approved National Recovery Framework2 approved provincial Recovery plans • 1 NDC endorsed Recovery damage assessment process • 30 Number of persons trained on recovery planning 	<ul style="list-style-type: none"> • National Recovery Framework(draft) reviewed based on EQ Response (pending comments and approval) • Provincial and Regional Recovery Framework for Western Highlands and AROB (approval pending)

	<ul style="list-style-type: none"> • 20 Number of persons trained in post disaster damage and needs assessment • 1 Disaster recovery project catalogue 	
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Activity Result 4: Readiness of the Disaster Management Team members and the National Disaster Centre to prepare and respond to disasters enhanced:

- Support monitoring of the humanitarian situation in the country
- Support UNRC's coordination and response when required, in close collaboration with national authorities
- Enhancing Disaster Preparedness and Humanitarian Coordination particularly in the areas of civil-military coordination and private sector engagement
- Enhanced interagency rapid needs assessment, analysis and reporting
- Support capacity building of humanitarian clusters
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Baseline	Indicators	Results
<ul style="list-style-type: none"> • 0 formally established and trained inter-cluster assessment teams • 1 draft disaster assessment format • • 0 humanitarian bulletins • 0 guide on use of FMA • 0 disaster impact models • 0 SOP on accessing international assistance • 0 multi-sectoral standardised relief item list 	<ul style="list-style-type: none"> • 10 Number of DMT meetings • • 1 Inter-agency disaster assessment team (Govt & DMT) • 2 Number of functioning humanitarian clusters • 5 Number of Coordination meetings • 4 Inter-Cluster Group meetings • 1 x revised rapid assessment tool • 11 humanitarian bulletins • 1 x draft guidelines on the use of FMA • 1 x CBI workshop • 5 x disaster impact models(provincial) • 1 x disaster impact models(national) • 1 x SOP on accessing international assistance • 1 x set of multi-sectoral standardised relief item list • 4 x UNRC meeting with Government 	<ul style="list-style-type: none"> • Coordination support for humanitarian response:(Kadovar & Manam Volcano eruptions, Central province Floods, Highlands Earthquake – national and field coordination) • Development of EQ Disaster Impact Model • NDC's Highlands EQ Response Strategy • DMT Highlands EQ Response Plan • Humanitarian Financing (CERF \$9.2 million for Highlands EQ response) • Support to Communicating with Communities (CwC) working group/activities • Early Recovery Coordination (national and provincial level) • Mid-term operational review (EQ Response) • Multi Sectoral standardised relief items list • Filed Coordination Support (Mendi and Tari)

		<ul style="list-style-type: none"> • Lessons Learnt Workshop for EQ Response • Surge/UNDAC support to Emergency Controller and NDC • Support for relief to recovery transition • Establishment of Early recovery Working group and organization of meetings • Scoping study for recovery planning • Support to conflict/context analysis (Highlands) • Support to World Food Programme (WFP) to carry out Mobile Vulnerability Analysis and Mapping(mVAM)Survey • NDC humanitarian needs assessment methodology (ACAPS) • Finalization of standardised multi sectoral assessment tool (ACAPS) • Formally established and launched Standby Joint Interagency Needs Assessment Team (NAST) • El Nino Planning (DMT, NDC, Controllers Office, Donors) • (Draft/Costed) DMT El Nino Early Action plan
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III. Implementation challenges

Project Issues/Risks and actions:

Issues/Risks	Actions
Limitations with capacities at NDC and Provincial levels (i.e. human & financial resources, skilled personnel);	UNDP supported NDC by recruiting ICs and placing them at NDC to support the current staff.
Adhoc decisions: Earthquake response (i.e. Controller vs NDC)	UNDP working between both NDC and Emergency Controllers Office

Impact of high-level events (i.e. APEC)	Reprioritised Activities at the national and subnational level
Lack of clarity: Roles and Responsibilities: National vs Provincial Act from 1987 & new DM Act(s)	Discussion at different levels for clear understanding

IV. Lessons learned and next steps

- Regular communication and information sharing between UNDP, DFAT and NDC;
- Better Coordination between and among UN agencies and the Government in implementing the DRM activities in the same provinces going forward
- Keep focus and paying attention to details
- Enhance partnership with private sector including AHP Partners at the national and sub national level