

# Are we on track to meet Universal Safe Water Access in Vanuatu?

## Review of the National Implementation Plan Progress in Vanuatu

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Vanuatu



**WATER**  
**WASH** 2023  
**FUTURES**

Achieving SDG6 in a Changing Climate



#WaWF23



# VANUATU

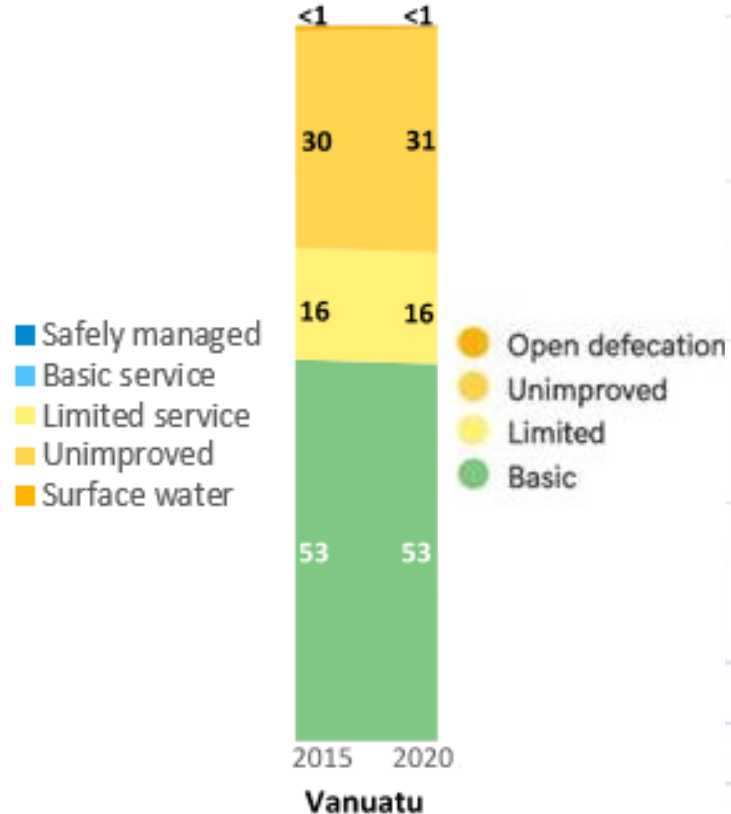
- Vanuatu is located about 800 km west of Fiji and 1,770 km east of Australia.
- Consist of 83 inhabited islands that stretch 1,300 kilometers North to South
- Land Area – 12,189 Km<sup>2</sup>
- Populations 319,137

# WASH Access and Situation in Vanuatu

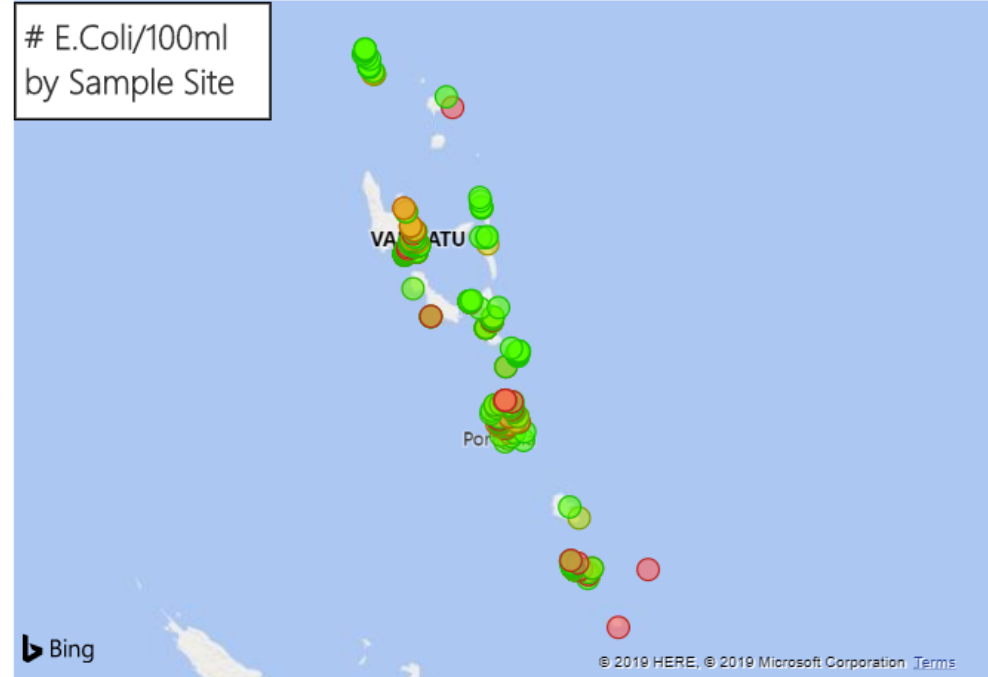
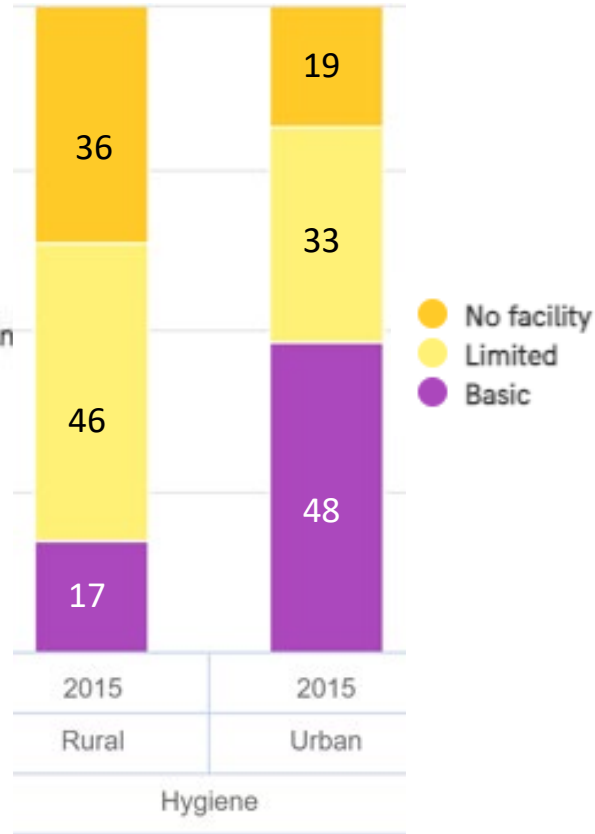
## WATER



## SANITATION



## HYGIENE



No. Selected	No E.Coli Detected	E.Coli Detected
429	174	255

> 60% of Water Samples Contaminated at the Source or Collection Point

44% of the rural population are dependent on rainwater

# Climate Variability in Vanuatu

Expected Climate Changes	Possible Impacts on Water Infrastructure
Tropical cyclones will be less frequent, but more intense	<ul style="list-style-type: none"> <li>• High winds during cyclones could blow items into uncovered water storage devices, overturn empty poly tanks, pull off rainwater collection roofs/gutters, and move trees on pipes and fittings</li> </ul>
Extreme rainfall events will occur more often	<ul style="list-style-type: none"> <li>• Flood water from extreme rainfall events could contaminate groundwater wells</li> <li>• Heavy rain could cause landslides that could move unburied pipes and poorly positioned tanks</li> </ul>
Overall temp and extreme elevated temperatures will increase	<ul style="list-style-type: none"> <li>• Increased temp could cause evaporation of more water</li> <li>• Water-related diseases' geographical range could increase</li> <li>• Stronger El Nino variability from increased temperatures could increase drought</li> </ul>
Sea levels may rise 3–17 cm by 2030	<ul style="list-style-type: none"> <li>• Communities displaced by higher sea levels could need new water infrastructures</li> <li>• Near shore wells could become contaminated with seawater</li> </ul>

With Climate Change, Rainwater is Becoming less Reliable Water

This will greatly affect 44% of the rural population depending on rainwater

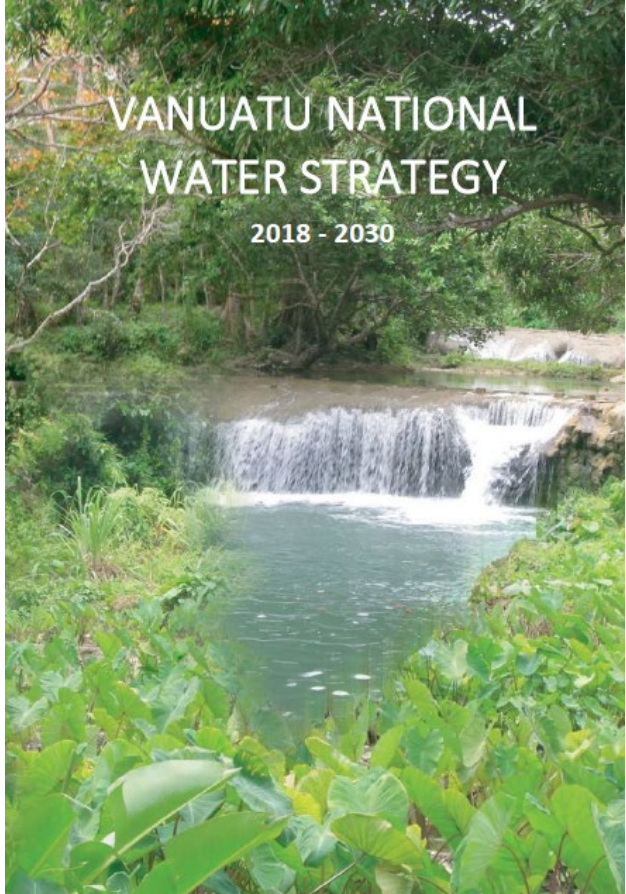


# National Sustainable Development Plan (NSDP)



## Sustainable Development Goals

To ensure all people in Vanuatu have reliable access to safe drinking water and sanitation infrastructure.



### 1 National Sustainable Development Plan

### 2 Government Departments Acts

### 3 Policy, Strategies & Standards



# National Implementation Plan (NIP) and Capital Assistance Program (CAP)

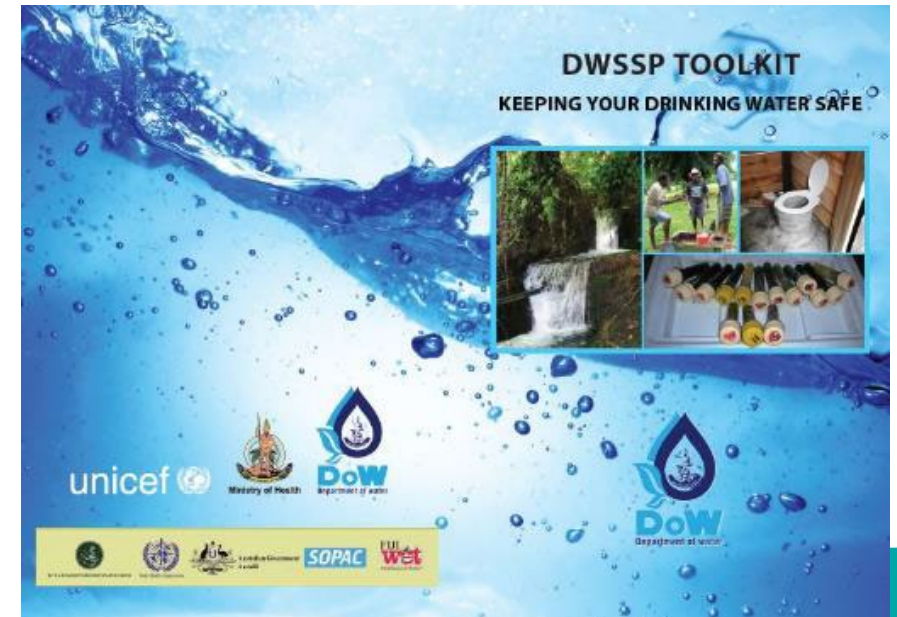


The Department of Water Resources (DoWR) developed the NIP and CAP for safe and secure community drinking water.

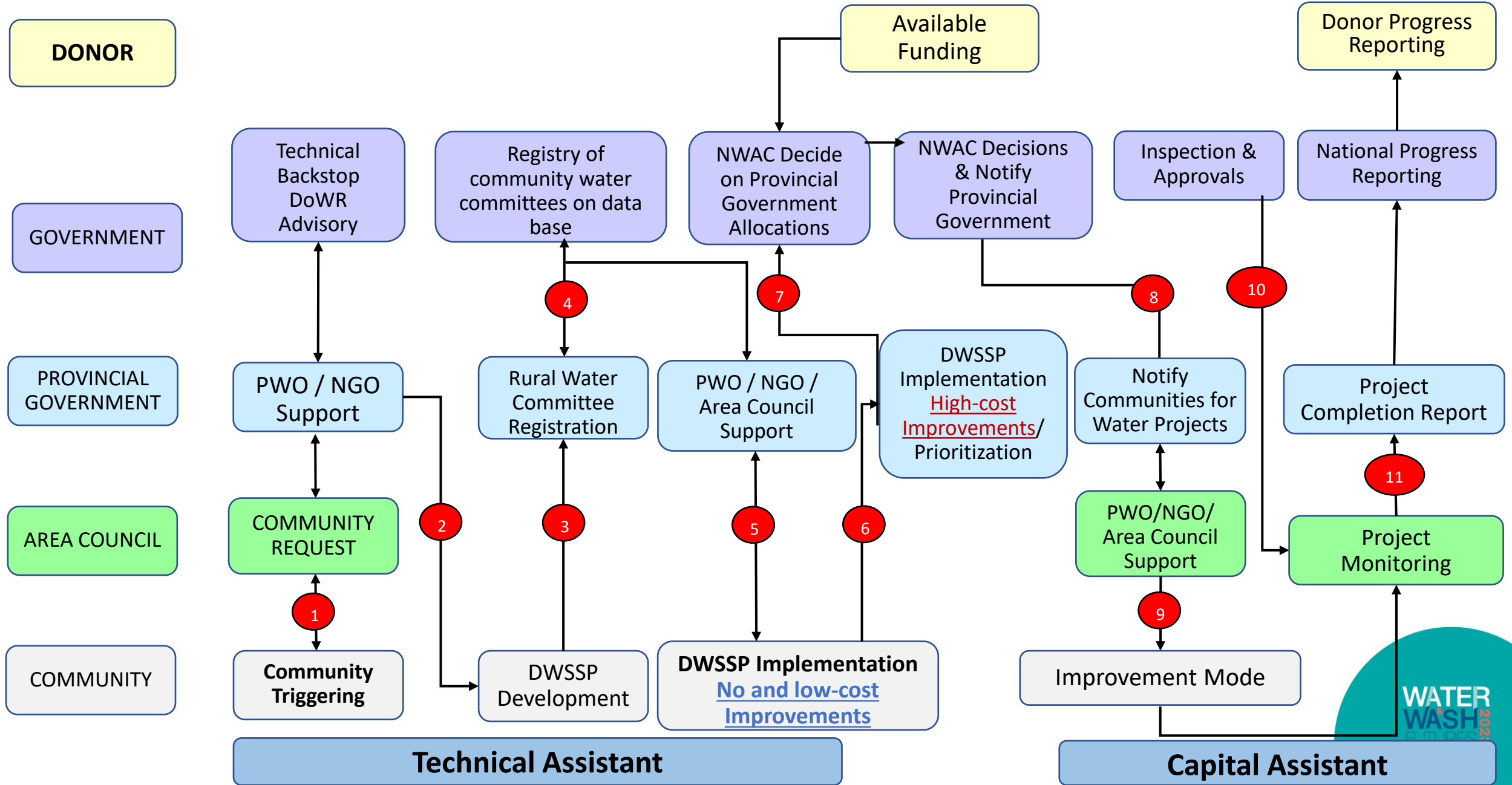
**The NIP was developed through a Partnership between MFAT, DoWR, and UNICEF**

To prioritize communities for water infrastructure upgrades

- Utilize a drinking water safety & security plan (DWSSP) approach
- Capital investments are prioritized based on risk ranking



# NIP/CAP Process/Flow Chart



# The Simplified Version of the NIP and CAP Process





# Photos of Field Implementation



# Climate Adaptation in DWSSP

Cyclone Risk and Preparedness			
<i>Risk Factors</i>	<i>Mitigation Measures</i>	<i>Risk</i>	<i>Improvements</i>
High winds <input type="checkbox"/> Damage to intake, pipes, tanks <input type="checkbox"/> <i>Other (Please list)</i>	High storage capacity <input type="checkbox"/> Multiple water sources <input type="checkbox"/> Good spring or well-head protection <input type="checkbox"/> Water resource management (WRM) undertaken <input type="checkbox"/> <i>Other (Please list)</i>	<b>High</b> <input type="checkbox"/> (Action Needed Now) <b>Medium</b> <input type="checkbox"/> (Upgrades Needed) <b>Low</b> <input type="checkbox"/> (No Action Required)	Cover Water Sources <input type="checkbox"/> Tie Down storage tanks and rainwater collection roofs and gutters <input type="checkbox"/> Strengthen road/river pipe crossing <input type="checkbox"/> Construct housing around valves <input type="checkbox"/> Reinforce pipe stands <input type="checkbox"/> <i>Other (Please list)</i> <input type="checkbox"/>

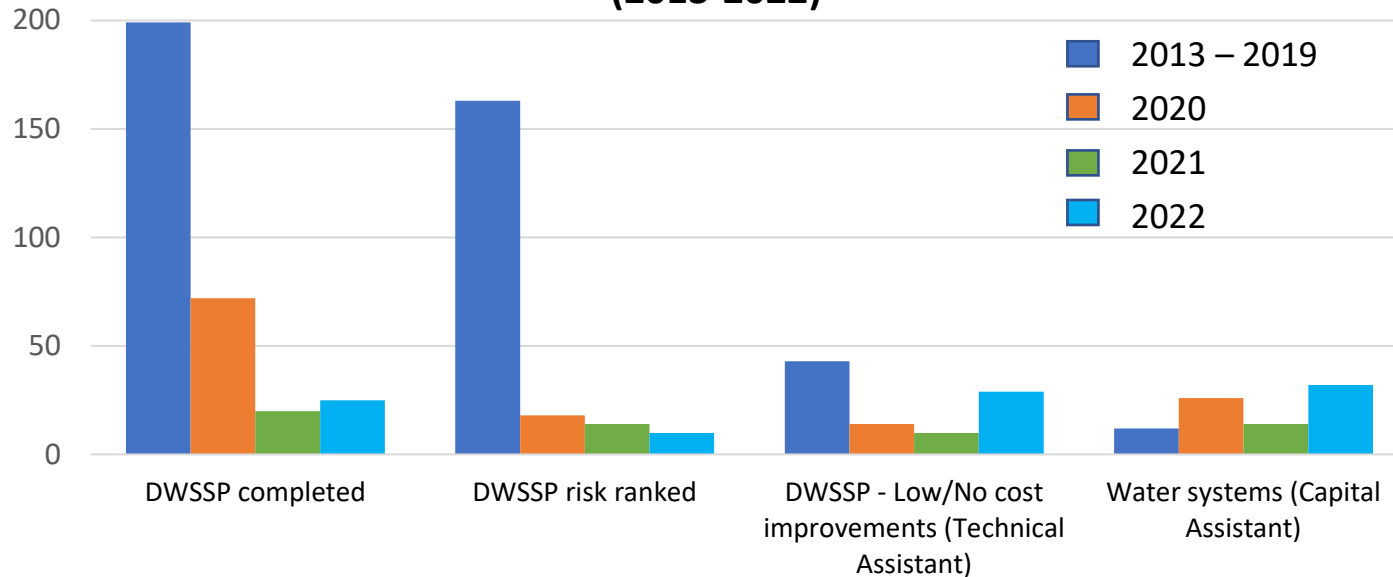
Example of Climate Adaptation to DWSSP: Adding Cyclones

# Achievements (2013-2022)

Year	DWSSP completed	DWSSP risk ranked	DWSSP - Low/No cost improvements (Technical Assistant)	Water systems (Capital Assistant)	People reached
2013-2019	199	163	43	12	4,389
2020	72	18	14	26	5,644
2021	20	14	10	14	4,394
2022	25	10	29	32	9,121
<b>Total</b>	<b>316</b>	<b>205</b>	<b>96</b>	<b>84</b>	<b>23,548</b>



Status of Completed DWSSPs and Water Supply Systems (2013-2022)



# Conclusions



## Vanuatu WASH in Schools Improvement Plan (WIP)

### School Guide



SCHOOL DETAILS	
School Name	
Zone / Area Council / Island	
Number of day students	
Number of boarding students	
School Contact Person	
School Improvement Officer	
WIP Facilitator	
Date:	
Is there an existing community DWSSP?	Yes <input type="checkbox"/> No <input type="checkbox"/>

- Changes in the process from political influence to a transparent system
- Model is a combination of demand and supply- less political interference and is well aligned with the decentralization Policy
- Bottom-up process for identifying WASH investments
- Improve the community’s resilience
- DWSSP has been adopted for WASH assessments and improvements for schools and healthcare facilities
- The NIP/CAP model can be replicated for other sub-sectors (WASH in Schools and WASH in HCF)
- With the robust systems in place, additional resources can be absorbed
- Strengthen the institutional capacity at the national and decentralized levels (Provincial and Area Council Levels)
- Supports collaboration among stakeholders

**WASH**  
IN HELTKEA FASILITI PLAN

ADEM WAN FOTO BLONG OL PATISIPEN IA

**OI infomesen blong Heltkea Fasiliti (HKF)**

Nem blong Heltkea Fasiliti:				
Wanem kaen Fasiliti:	<input type="checkbox"/> Aid Pos	<input type="checkbox"/> Dispenseri	<input type="checkbox"/> Helt Senta	<input type="checkbox"/> Hospital
Eria Kaonsel / Aelan				
Deit blong asesmen ia:	kasem:			
Populesen we i usum HKF:				
Hamas haashol i stap usum Heltkea Fasiliti:				
Fasiliti kontak:		Fon:		
Nem blong Fasiliteita:				
Hu ia fandem woksoo ia:		Ripot i kam long:		



# Funding Proposal

Project/Programme title: Enhancing Adaptation and Community Resilience by Improving Water Security in Vanuatu  
Country(ies): Vanuatu  
Accredited Entity: The Pacific Community (SPC)  
Date of first submission: 2022/04/07  
Date of current submission: 2022/09/09  
Version number: V.6



## The Success of Risk-Informed Capital Investments

- The success of the NIP/CAP process has enabled DoWR to seek finance from **the Green Climate Fund for climate change adaptation.**
- The GCF Funding Proposal was approved on 18 October 2022 with a total budget of 28.3 million USD (2023 to 2027)
- This will help the Government of Vanuatu to achieve its goal in the People's Plan - all Ni-Vanuatu having access to safe and secure water by 2030.

# What's Next

- At the Provincial level, Several Area Councils have started to use their funds to support communities with DWSSPs to allow for WASH improvements
- Currently several donors have put funds into the CAP and there is indication for Government support to the CAP
- There is Requirement for strong systems and processes with HR capacities
- Robust Monitoring and Evaluation Systems and Processes be established
- More stronger focus on climate change implications
- Greater coordination with Sanitation and Hygiene programs and funders
- Stronger Partnerships (Government, Implementing partners, and Development Partners)



# Contact Information

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Tankyu Tumas

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